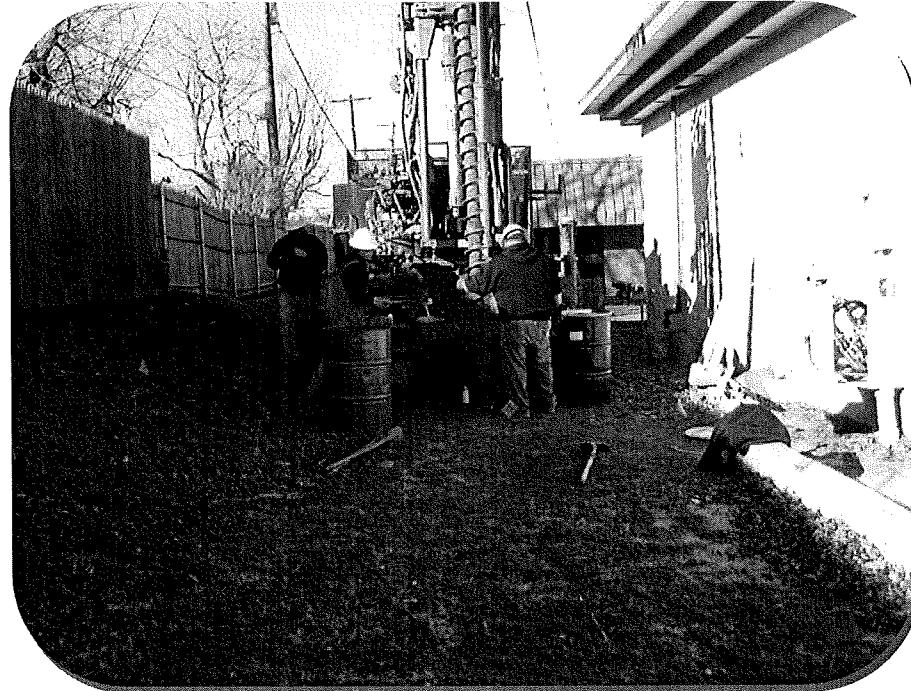


EXHIBIT 4

Limited Subsurface Investigation

1st Cleaners
7307 N. MacArthur Blvd.
Warr Acres, Oklahoma



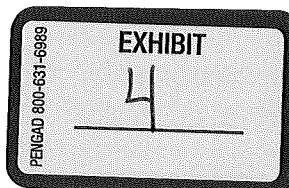
February 8, 2012
Terracon Project No. 03127002

Prepared for:

The Langfan Company
New York, New York

Prepared by:

Terracon Consultants, Inc.
Oklahoma City, Oklahoma



Offices Nationwide
Employee-Owned

Established in 1965
terracon.com

Terracon

Geotechnical ■ Environmental ■ Construction Materials ■ Facilities



February 8, 2012

The Langfan Company
119 West 57th Street, #906
New York, NY 10019

Attn: Mr. Mark Langfan
P: 212.832.0200
F: 212.832.3700
E: mapmun@aol.com

Re: Limited Subsurface Investigation
1st Cleaners
7307 N. MacArthur Blvd.
Warr Acres, Oklahoma
Project No. 03127002

Dear Mr. Langfan:

Terracon is pleased to submit the enclosed Limited Subsurface Investigation (LSI) report for the above referenced site. This investigation was performed in accordance with our proposal dated January 5, 2012.

We appreciate the opportunity to perform these services for the Langfan Company. Please contact either of the undersigned at (405) 525-0453 if you have questions regarding the information provided in the report.

Sincerely,
Terracon Consultants, Inc.

A handwritten signature in black ink, appearing to read "B.J. Olszewski".
Benjamin J. Olszewski
Environmental Department Manager

A handwritten signature in black ink, appearing to read "P.D. Wood".
Phillip D. Wood
Sr. Principal

TABLE OF CONTENTS

1.0	INTRODUCTION.....	1
1.1	Site Description.....	1
1.2	Scope of Work	1
1.3	Standard of Care.....	1
1.4	Additional Scope Limitations.....	2
1.5	Reliance	2
2.0	FIELD ACTIVITIES	2
2.1	Soil Borings.....	2
2.2	Soil Sampling	3
2.3	Groundwater Sampling	4
3.0	LABORATORY ANALYTICAL METHODS.....	4
4.0	DATA EVALUATION	4
5.0	FINDINGS	5
6.0	RECOMMENDATIONS.....	6

APPENDICES

APPENDIX A	Figure 1- Topographic Map, Figure 2 – Site Plan
APPENDIX B	Table 1– Soil Analytical Results, Table 2– Groundwater Analytical Results
APPENDIX C	Soil Boring Logs
APPENDIX D	Laboratory Data Report

LIMITED SUBSURFACE INVESTIGATION
1ST CLEANERS – 7307 N. MACARTHUR BLVD
WARR ACRES, OKLAHOMA

Project No. 03127002
February 8, 2012

1.0 INTRODUCTION

1.1 Site Description

Site Name	1 st Cleaners
Site Location/Address	7307 N. MacArhtur Blvd, Warr Acres, Oklahoma
Land Area	Approximately 0.45 acre
Site Improvements	Approximately 4,500 square foot retail building, associated parking, and landscaping.

A topographic map is included as Figure 1, and a site plan is included as Figure 2 of Appendix A.

1.2 Scope of Work

The objective of the proposed LSI was to evaluate the presence of volatile organic compounds (VOCs) above relevant laboratory reporting limits, in the on-site soils and groundwater as a result of potential releases from the former dry cleaning operations at the site.

1.3 Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time period. Terracon makes no warranties, either express or implied, regarding the findings, conclusions or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies or other third parties supplying information used in the preparation of the report. These LSI services were performed in accordance with the scope of work agreed with you, our client, as reflected in our proposal and were not restricted by ASTM E1903-97.

Limited Subsurface Investigation
7307 N. MacArthur Blvd ■ Warr Acres, Oklahoma
February 8, 2012 ■ Terracon Project No. 03127002



1.4 Additional Scope Limitations

Findings, conclusions and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, non-detectable, or not present during these services, and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this LSI. Subsurface conditions may vary from those encountered at specific borings or wells or during other surveys, tests, assessments, investigations or exploratory services; the data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

1.5 Reliance

This report has been prepared for the exclusive use of the Langfan Company and Stratford Holding, LLC. Any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of the Langfan Company and Terracon. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the proposal dated January 5, 2012.

2.0 FIELD ACTIVITIES

2.1 Soil Borings

Terracon's field activities were conducted on January 23, 2012. As part of the approved scope of work, a total of three (3) soil borings were advanced to investigate potential releases from the former dry cleaning operations at the site.

- Soil boring SB-1/MW-1 was advanced on the south side of the building in the vicinity of the rear access door to the site building.
- Soil boring SB-2/MW-2 was advanced at the northwest corner of the site building.
- Soil boring SB-3/MW-3 was advanced at the northeast corner of the site building.

Figure 1 presents the general boundaries and topography of the site on portions of the USGS topographic quadrangle map of the area (Appendix A). Figure 2 is a site plan that

**Limited Subsurface Investigation
7307 N. MacArthur Blvd ■ Warr Acres, Oklahoma
February 8, 2012 ■ Terracon Project No. 03127002**



indicates the approximate locations of the soil borings in relation to the pertinent site features and general site boundaries (Appendix A).

Drilling services were performed by a State of Oklahoma licensed Monitoring Well Driller under the oversight of a Terracon environmental professional, using a truck-mounted rotary auger rig. Non-dedicated sampling equipment was decontaminated by an Alconox® wash and potable water rinse prior to commencement of the project and between the collection of each soil sample.

Soil samples were collected continuously using five-foot continuous core samplers to document lithology, color, relative moisture content and visual or olfactory evidence of chemical impact. In addition, the samples were field screened with a photoionization detector (PID) for the presence of volatile organic compounds (VOCs) in soil.

The general soil lithology encountered during sample collection consisted of the following:

- Silty-clay from the ground surface to approximately 5 feet (ft) below ground surface (bgs);
- Red shale from 5 feet bgs to 25 ft bgs (terminus of deepest boring),
- A sandy shale zone was noted in SB-2 and SB-3 from 11 ft bgs to 14 ft bgs,

PID readings were detected in soil samples collected from each of the soil borings SB-1 through SB-3 at the site. PID readings ranged from 0.0 to 4,473 parts per million (ppm) in SB-1. PID readings ranged from 0.0 to 95.3 ppm in SB-2. PID readings ranged from 0.0 to 105.9 ppm in SB-3. In general, the highest PID readings in each soil boring were detected from a depth of 10 ft bgs to 15 ft bgs. PID readings are included with the lithologic descriptions on the soil boring logs included in Appendix C.

2.2 Soil Sampling

Terracon's soil sampling program involved submitting one soil sample from each soil boring for laboratory analysis. In general, soil samples were collected from the interval which exhibited the highest recorded PID reading in each soil boring. Sample intervals for each boring are presented on the lithologic boring logs included in Appendix C.

The following samples were collected and submitted to the laboratory for analysis.

- Soil sample SB-1 (10'-12.5') was collected from soil boring SB-1.
- Soil sample SB-2 (12.5'-15') was collected from soil boring SB-2.
- Soil sample SB-3 (12.5'-15') was collected from soil boring SB-3.

**Limited Subsurface Investigation
7307 N. MacArthur Blvd ■ Warr Acres, Oklahoma
February 8, 2012 ■ Terracon Project No. 03127002**



Soil samples collected were placed in laboratory prepared glassware, sealed with custody tape and placed on ice in a cooler. The sample coolers and completed chain-of-custody forms were relinquished to Pace Analytical in Lenexa, Kansas for standard turnaround (5 day).

2.3 Groundwater Sampling

Subsequent to advancement, each soil boring (SB-1 through SB-3) was converted to a temporary groundwater monitoring well (MW-1 through MW-3). The temporary monitoring wells were completed using the following methodology:

- Installation of 10 feet of 2-inch diameter, 0.020-inch machine slotted PVC well screen with a threaded bottom cap;
- Installation of 2-inch diameter, threaded, flush joint PVC riser pipe to the surface
- Addition of silica sand to cover the screen and hold the temporary well in-place.

The temporary monitoring wells were developed by surging and removing groundwater with a new, disposable, polypropylene bailer until the groundwater was relatively free of fine-grained sediment.

Groundwater samples were collected using dedicated and disposable bailers from temporary monitoring wells MW-1 through MW-3. Subsequent to collection of samples, the temporary monitoring wells were abandoned according to OWRB regulations. Soil cuttings, and equipment cleaning water generated during the field activities were placed in Department of Transportation (DOT) approved, 55-gallon steel drums, closed and appropriately labeled with project-specific information and initial accumulation date.

3.0 LABORATORY ANALYTICAL METHODS

The soil and groundwater samples collected from the soil borings were analyzed for VOCs using EPA Method 8260. The executed chain-of-custody form and laboratory data sheets are provided in Appendix D.

4.0 DATA EVALUATION

4.1 Soil Analytical Results

Tetrachloroethene (PCE) was detected at a concentration of 5,830 milligrams per kilogram (mg/kg) in the soil sample collected from SB-1 at a depth of 10 to 12.5 feet bgs. No other VOCs were detected in the soil sample collected from SB-1. VOC concentrations above laboratory reporting limits were not detected in the soil samples collected from soil

Limited Subsurface Investigation
7307 N. MacArthur Blvd ■ Warr Acres, Oklahoma
February 8, 2012 ■ Terracon Project No. 03127002



borings SB-2 or SB-3. The soil analytical results are provided on Table 1 in Appendix B and the laboratory reports are provided in Appendix D.

Terracon compared the detected concentration of PCE at SB-1 to the Environmental Protection Agency (EPA) Region 6 Regional Screening Level (RSL) Summary Table dated November 2011. The concentration of PCE exceeded the RSL for both residential soil (0.55 mg/kg) and industrial soil (2.6 mg/kg).

4.2 Groundwater Analytical Results

PCE was detected in each of the three groundwater samples collected at the site. PCE was detected at concentrations of 7,030 micrograms per liter (ug/L) in MW-1, 1,220 ug/L in MW-2, and 69.7 ug/L in MW-3. Trichloroethene (TCE) was detected at a concentration of 24.1 ug/L in MW-2. Cis-1,2-Dichloroethene (C-DCE) was detected at concentrations of 165 ug/L and 1.3 ug/L respectively in MW-2 and MW-3. Chloroform was detected at a concentration of 8.2 ug/L in MW-3. No other VOCs were detected in the groundwater samples collected at the site.

Terracon compared the detected VOC concentrations in the groundwater samples to the EPA maximum contaminant level (MCL) for each detected compound. The detected concentrations of PCE were above the MCL (5 ug/L) in temporary monitoring wells MW-1, MW-2, and MW-3. The detected concentrations of TCE and C-DCE exceeded the MCL (5 ug/L for TCE and 70 ug/L for C-DCE) in temporary monitoring well MW-2. The remaining concentrations detected did not exceed the established MCLs.

The groundwater analytical results are provided on Table 2 in Appendix B and the laboratory data reports are provided in Appendix D.

5.0 FINDINGS

The findings of this investigation are as follows:

- The objective of the proposed LSI was to evaluate the presence of volatile organic compounds (VOCs) above relevant laboratory reporting limits, in the on-site soils and groundwater as a result of potential releases from the former dry-cleaning activities at the site.
- PCE was detected in a soil sample collected from SB-1 which exceeds the EPA regional screening level for both residential and industrial soil. No other VOCs were detected in the soil samples collected from SB-1, SB-2, or SB-3.
- PCE was detected in groundwater in each of the temporary monitoring wells (MW-

**Limited Subsurface Investigation
7307 N. MacArthur Blvd ■ Warr Acres, Oklahoma
February 8, 2012 ■ Terracon Project No. 03127002**



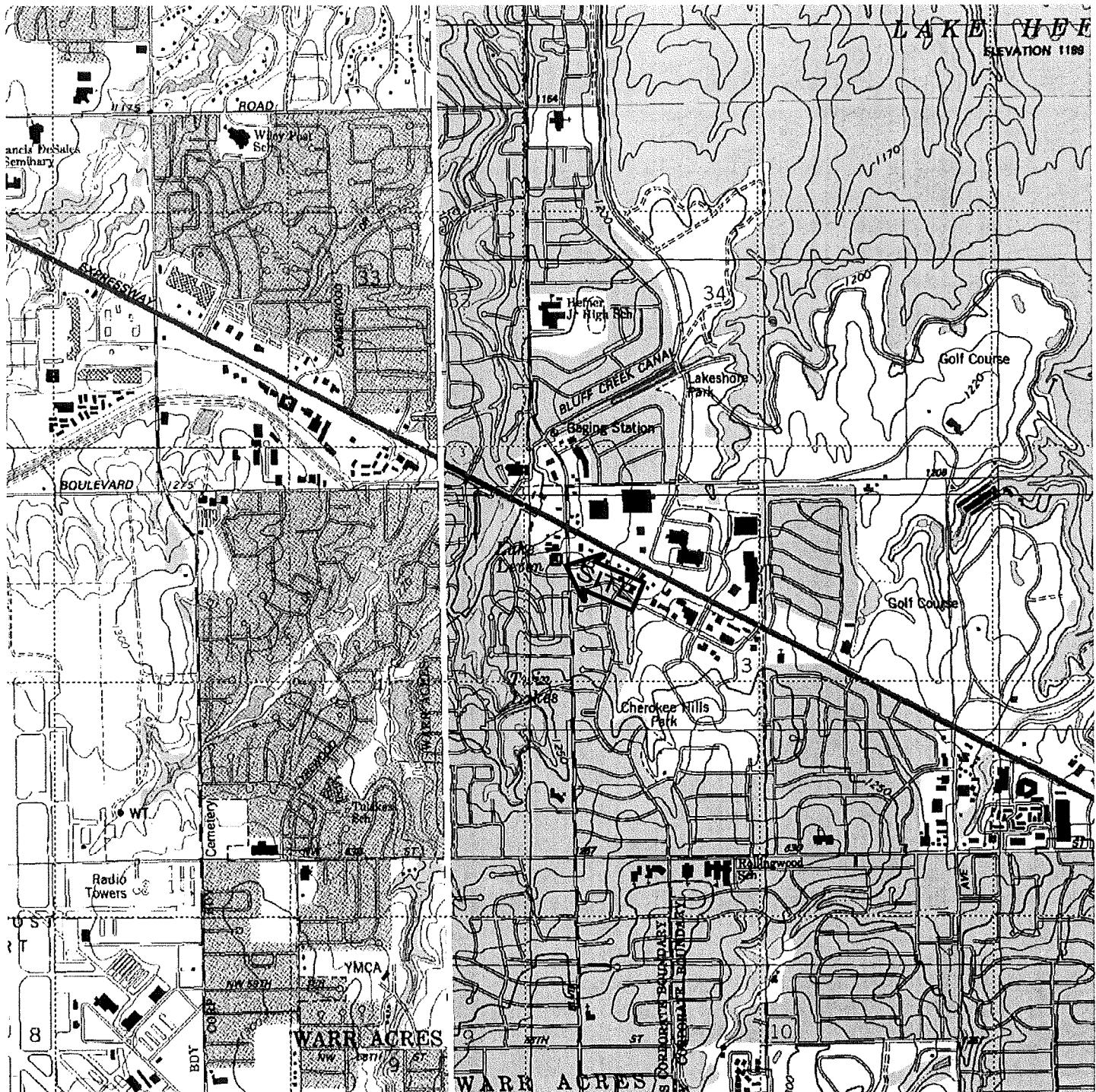
1, MW-2, and MW-3) at concentrations that exceed the EPA MCL. TCE and C-DCE were also detected at concentrations which exceed the EPA MCL at MW-2. No other VOCs were detected in MW-1, MW-2, or MW-3 that exceed an EPA MCL.

6.0 RECOMMENDATIONS

Based on the laboratory analysis, Terracon recommends the following:

- Additional subsurface sampling to determine the magnitude and extent of the identified impacts to soil and groundwater.
- Identify any potential receptors to contaminants in the immediate vicinity of the site.
- Consultation with the Oklahoma Department of Environmental Quality to provide oversight and ultimate approval of site characterization and remediation activities to address the identified impacts to both soil and water at the site.
- Consultation with an environmental attorney to evaluate and manage environmental risk associated with the identified impacts to soil and groundwater at the site.

APPENDIX A
Figures



SCALE 1:24000

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

0.5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET

USGS 7.5 MINUTE SERIES TOPOGRAPHIC MAP

OKLAHOMA Q

TON,

Project Mngr:	BJO	Project No.	03127002
Drawn By:	DWT	Scale:	AS SHOWN
Checked By:	BJO	File No.	03127002 (Figures)
Approved By:	BJO	Date:	01/20/2012



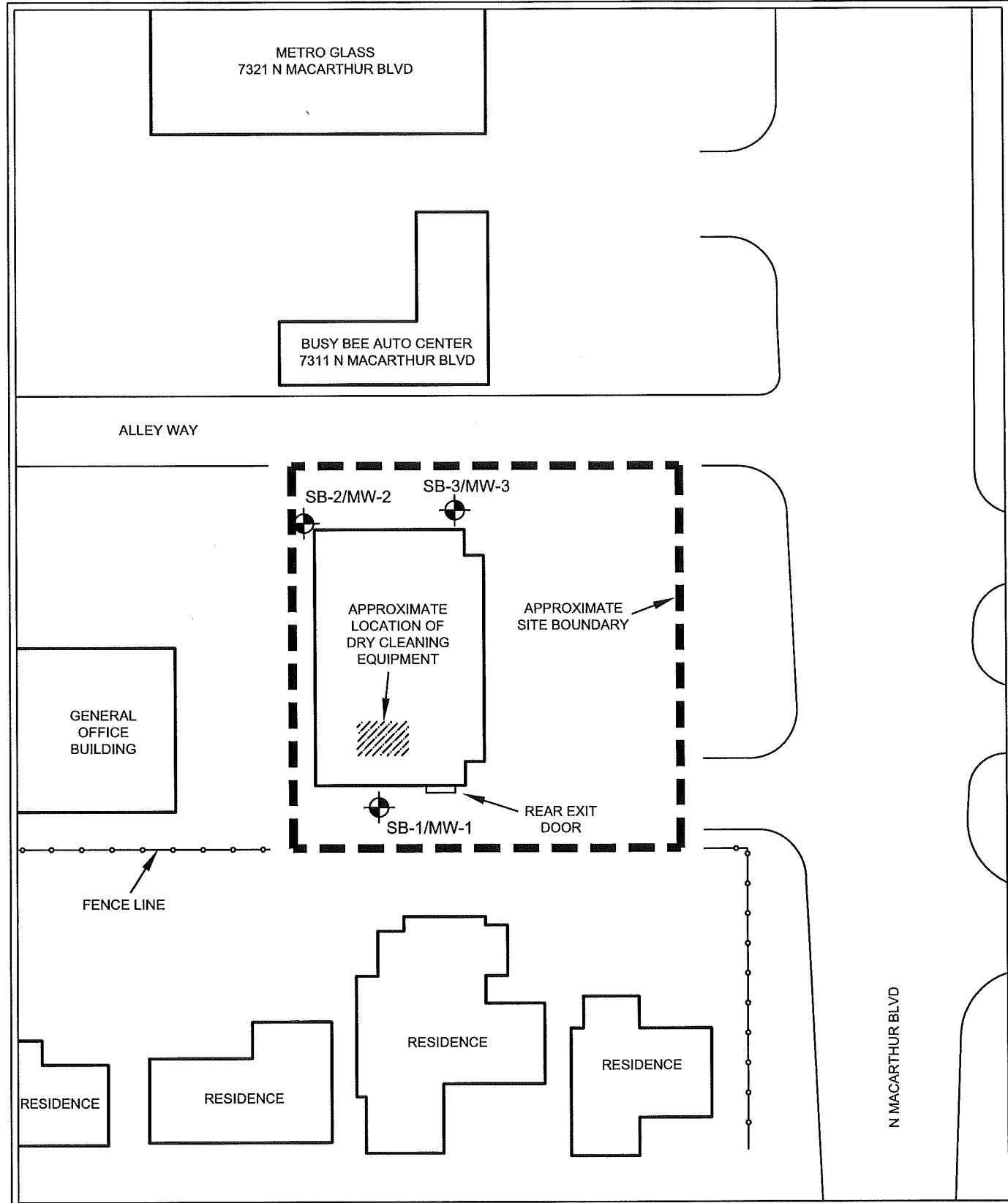
LOCATION / TOPOGRAPHIC MAP

LIMITED SITE INVESTIGATION

1ST CLEANERS
7307 NORTH MACARTHUR BOULEVARD

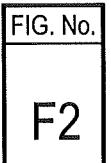
FIG. No.

E1



Project Mgr:	BJO
Drawn By:	DWT
Checked By:	BJO
Approved By:	BJO

Project No.	03127002
Scale:	AS SHOWN
File No.	03127002 (Figures)
Date:	02/06/2012



APPENDIX B
Tables

Table 1
 Soil Analytical Results
 1st Cleaners - 7307 North MacArthur Blvd
 Oklahoma City, Oklahoma

Location	Sample Depth (ft bgs)	Sample Date	PCE mg/kg
SB-1	10-12.5	01/23/12	5830
SB-2	12.5-15	01/23/12	ND
SB-3	12.5-15	01/23/12	ND
EPA Region 6 RSL Residential Soil	-	-	0.55
EPA Region 6 RSL Industrial Soil	-	-	2.6

LEGEND

ND - Not Detected

ft - feet

bgs - below ground surface

PCE - Tetrachloroethene

EPA - Environmental Protection Agency

RSL - Regional Screening Level

mg/kg - milligram per kilogram

Bold - Exceedance of RSL

*Regional Screening Levels taken from RSL Summary Table November 2011

Table 2
 Groundwater Analytical Results
 1st Cleaners - 7307 N. MacArthur Blvd
 Oklahoma City, Oklahoma

Location	Sample Date	PCE ug/L	C-DCE ug/L	TCE ug/L	Chloroform ug/L
MW-1	1/23/2011	7,030	ND	ND	ND
MW-2	1/23/2011	1,220	165	24.1	ND
MW-3	1/23/2011	69.7	1.3	ND	8.2
EPA MCL		5.0	70.0	5.0	80.0

LEGEND

ND - Not Detected

ug/L - micrograms per liter

C-DCE - cis-1,2-Dichloroethene

TCE - Trichloroethene

PCE - Tetrachloroethene

EPA - Environmental Protection Agency

MCL - Maximum Contaminant Level

Bold - Exceedance of EPA MCL

*MCLs taken from EPA Region 6 Regional Screening Level Summary Table November 2011

APPENDIX C
Soil Boring Logs

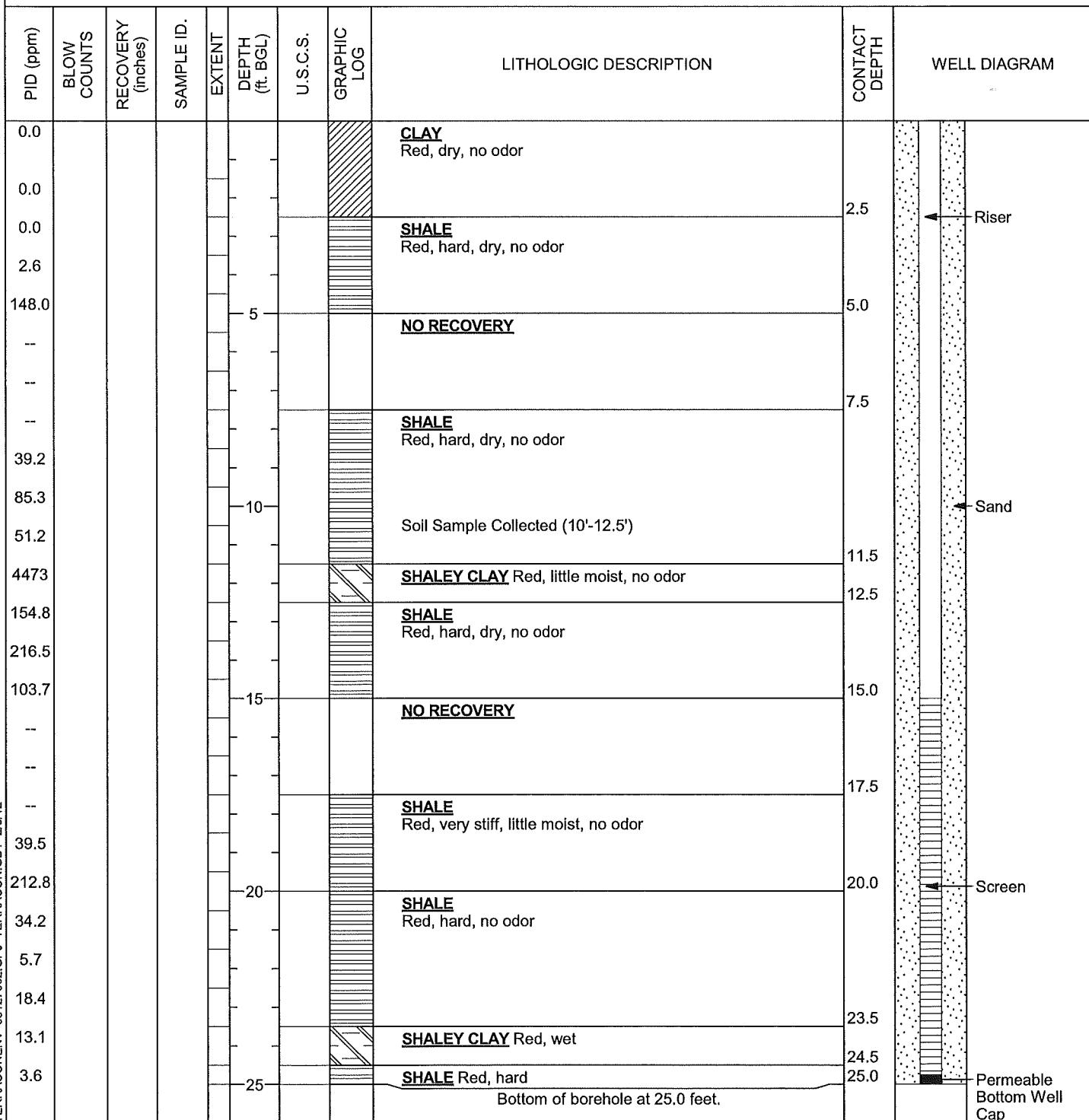


Terracon
5301 Beverly Drive
Oklahoma City, Oklahoma
Telephone: (405) 525-0453
Fax: (405) 557-0549

WELL NUMBER SB-1
PAGE 1 OF 1

PAGE 1 OF 1

PROJECT NUMBER	03127002	DATE STARTED	1/23/12
PROJECT NAME	The Langfan Company	DATE COMPLETED	1/23/12
LOCATION	7307 North Macarthur Boulevard	CASING TYPE/DIAMETER	PVC / 2"
DRILLING METHOD	HSA	SCREEN TYPE/SLOT	SLOTTED / .010
SAMPLING METHOD	SS	GRAVEL PACK TYPE	---
GROUND ELEVATION		GROUT TYPE/QUANTITY	----
TOP OF CASING	---	DEPTH TO WATER	
LOGGED BY	RD	GROUND WATER ELEVATION	
REMARKS	Soil Sample Collected at 10'-12.5'		



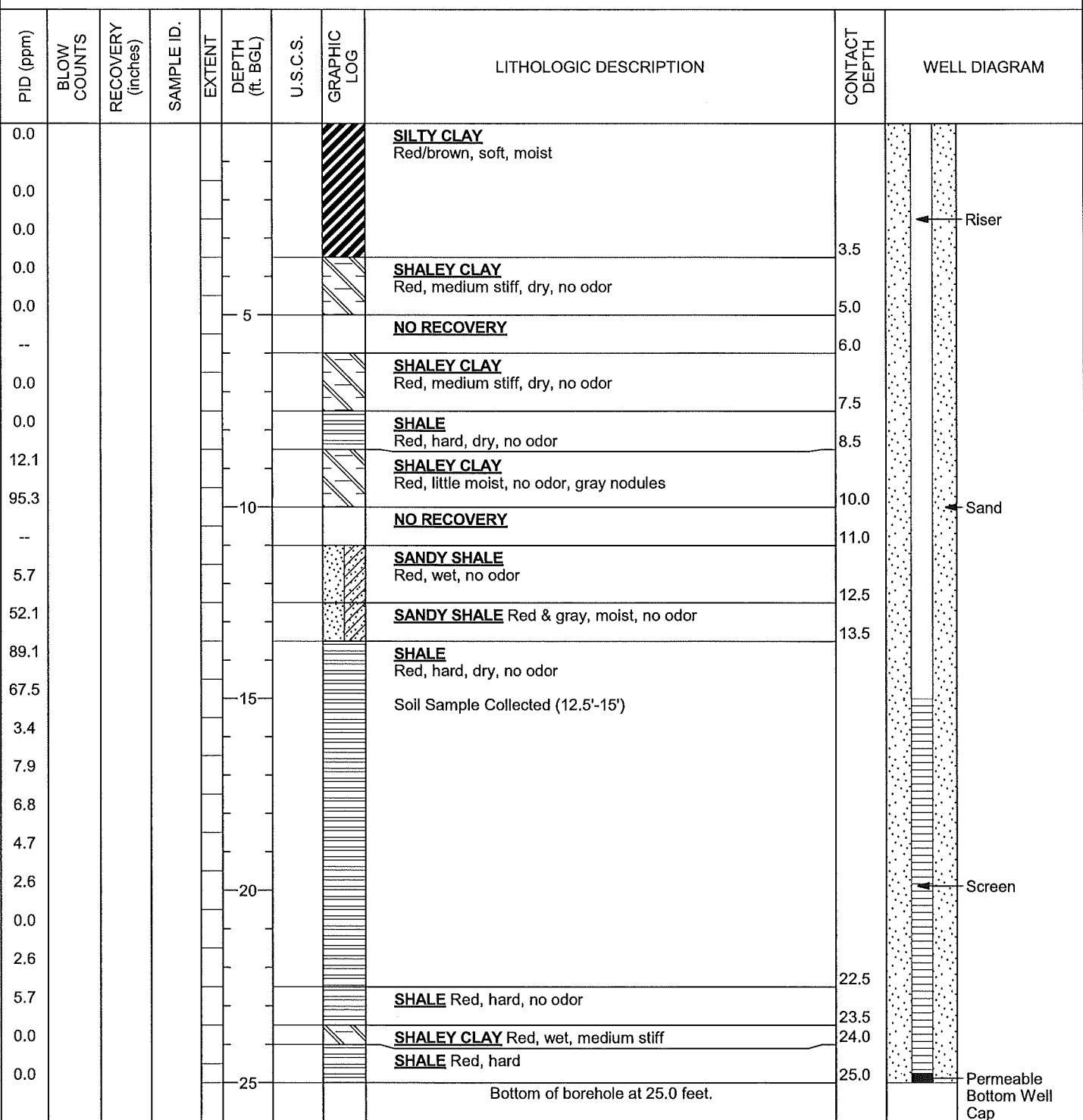
Terracon

Terracon
5301 Beverly Drive
Oklahoma City, Oklahoma
Telephone: (405) 525-0453
Fax: (405) 557-0549

WELL NUMBER SB-2

PAGE 1 OF 1

PROJECT NUMBER 03127002
PROJECT NAME The Langfan Company
LOCATION 7307 North MacArthur Boulevard
DRILLING METHOD HSA
SAMPLING METHOD SS
GROUND ELEVATION
TOP OF CASING ----
LOGGED BY RD
REMARKS Soil Sample Collected at 12.5'-15'





Terracon
5301 Beverly Drive
Oklahoma City, Oklahoma
Telephone: (405) 525-0453
Fax: (405) 557-0549

WELL NUMBER SB-3

PAGE 1 OF 1

PROJECT NUMBER	03127002	DATE STARTED	1/23/12
PROJECT NAME	The Langfan Company	DATE COMPLETED	1/23/12
LOCATION	7307 North Macarthur Boulevard	CASING TYPE/DIAMETER	PVC / 2"
DRILLING METHOD	HSA	SCREEN TYPE/SLOT	SLOTTED / .010
SAMPLING METHOD	SS	GRAVEL PACK TYPE	---
GROUND ELEVATION		GROUT TYPE/QUANTITY	---
TOP OF CASING	---	DEPTH TO WATER	
LOGGED BY	RD	GROUND WATER ELEVATION	
REMARKS	Soil Sample Collected at 12.5'-15'		

PID (ppm)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM
0.0								SILTY CLAY Red/brown, moist, no odor		
0.0								SILTY CLAY Red/brown, medium stiff, moist, no odor	2.5	
0.0								NO RECOVERY	5.0	
2.6										
5										
-								SHALE Red, stiff, dry, no odor	7.5	
3.6										
37.4								NO RECOVERY	10.0	
-										
105.9								SANDY SHALE Red, medium stiff, moist, no odor	12.5	
36.4								SANDY SHALE Red & gray, dry, no odor	13.5	
0.0								SHALE Red, hard, dry, no odor (very stiff after 15') Soil Sample Collected (12.5'-15')	14.5	
0.0										
0.0								SHALEY CLAY Red, stiff, wet, no odor	17.5	
0.0								SHALE Red, hard, dry, no odor	18.0	
0.0								NO RECOVERY	20.0	
-										
0.0								SHALE Red, hard, dry, no odor	22.5	
0.0								SHALEY CLAY Red, medium stiff, dry, no odor	23.0	
0.0								SHALEY CLAY Red & gray, stiff, wet, no odor	24.5	
0.0								Bottom of borehole at 25.0 feet.	25.0	

APPENDIX D
Laboratory Data Report



February 03, 2012

Ben Olszewski
Terracon Oklahoma City
5301 Beverly Drive
Oklahoma City, OK 73105

RE: Project: 1ST CLEANERS LSI
Pace Project No.: 60114109

Dear Ben Olszewski:

Enclosed are the analytical results for sample(s) received by the laboratory on January 24, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Alice Tracy

alice.tracy@pacelabs.com
Project Manager

Enclosures

cc: Ross Davis, Terracon Oklahoma City
Lisa Floyd, Terracon Oklahoma City
Phillip D. Wood, Terracon Oklahoma City



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Page 1 of 35

Pace Package 1 of 37



CERTIFICATIONS

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

REPORT OF LABORATORY ANALYSIS

Page 2 of 35

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Package 2 of 37



SAMPLE SUMMARY

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60114109001	SB-1 10-12.5	Solid	01/23/12 10:05	01/24/12 07:20
60114109002	SB-2 12.5-15	Solid	01/23/12 11:50	01/24/12 07:20
60114109003	SB-3 12.5-15	Solid	01/23/12 14:05	01/24/12 07:20
60114109004	MW-1	Water	01/23/12 13:00	01/24/12 07:20
60114109005	MW-2	Water	01/23/12 14:45	01/24/12 07:20
60114109006	MW-3	Water	01/23/12 15:20	01/24/12 07:20

REPORT OF LABORATORY ANALYSIS

Page 3 of 35

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Package 3 of 37

**SAMPLE ANALYTE COUNT**

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60114109001	SB-1 10-12.5	EPA 8260	JPF, RAB	69
		ASTM D2974-87	DWC	1
60114109002	SB-2 12.5-15	EPA 8260	JPF	69
		ASTM D2974-87	DWC	1
60114109003	SB-3 12.5-15	EPA 8260	JPF	69
		ASTM D2974-87	DWC	1
60114109004	MW-1	EPA 5030B/8260	PRG, RNS	70
60114109005	MW-2	EPA 5030B/8260	PRG	70
60114109006	MW-3	EPA 5030B/8260	PRG	70

REPORT OF LABORATORY ANALYSIS

Page 4 of 35

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Package 4 of 37

ANALYTICAL RESULTS

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

Sample: SB-1 10-12.5 Lab ID: 60114109001 Collected: 01/23/12 10:05 Received: 01/24/12 07:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acetone	ND ug/kg		233000 10000			02/01/12 19:57	67-64-1	
Benzene	ND ug/kg		58300 10000			02/01/12 19:57	71-43-2	
Bromobenzene	ND ug/kg		58300 10000			02/01/12 19:57	108-86-1	
Bromochloromethane	ND ug/kg		58300 10000			02/01/12 19:57	74-97-5	
Bromodichloromethane	ND ug/kg		58300 10000			02/01/12 19:57	75-27-4	
Bromoform	ND ug/kg		58300 10000			02/01/12 19:57	75-25-2	
Bromomethane	ND ug/kg		58300 10000			02/01/12 19:57	74-83-9	
2-Butanone (MEK)	ND ug/kg		117000 10000			02/01/12 19:57	78-93-3	
n-Butylbenzene	ND ug/kg		58300 10000			02/01/12 19:57	104-51-8	
sec-Butylbenzene	ND ug/kg		58300 10000			02/01/12 19:57	135-98-8	
tert-Butylbenzene	ND ug/kg		58300 10000			02/01/12 19:57	98-06-6	
Carbon disulfide	ND ug/kg		58300 10000			02/01/12 19:57	75-15-0	
Carbon tetrachloride	ND ug/kg		58300 10000			02/01/12 19:57	56-23-5	
Chlorobenzene	ND ug/kg		58300 10000			02/01/12 19:57	108-90-7	
Chloroethane	ND ug/kg		58300 10000			02/01/12 19:57	75-00-3	
Chloroform	ND ug/kg		58300 10000			02/01/12 19:57	67-66-3	
Chloromethane	ND ug/kg		58300 10000			02/01/12 19:57	74-87-3	
2-Chlorotoluene	ND ug/kg		58300 10000			02/01/12 19:57	95-49-8	
4-Chlorotoluene	ND ug/kg		58300 10000			02/01/12 19:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		117000 10000			02/01/12 19:57	96-12-8	
Dibromochloromethane	ND ug/kg		58300 10000			02/01/12 19:57	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		58300 10000			02/01/12 19:57	106-93-4	
Dibromomethane	ND ug/kg		58300 10000			02/01/12 19:57	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		58300 10000			02/01/12 19:57	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		58300 10000			02/01/12 19:57	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		58300 10000			02/01/12 19:57	106-46-7	
Dichlorodifluoromethane	ND ug/kg		58300 10000			02/01/12 19:57	75-71-8	
1,1-Dichloroethane	ND ug/kg		58300 10000			02/01/12 19:57	75-34-3	
1,2-Dichloroethane	ND ug/kg		58300 10000			02/01/12 19:57	107-06-2	
1,2-Dichloroethene (Total)	ND ug/kg		58300 10000			02/01/12 19:57	540-59-0	
1,1-Dichloroethene	ND ug/kg		58300 10000			02/01/12 19:57	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		58300 10000			02/01/12 19:57	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		58300 10000			02/01/12 19:57	156-60-5	
1,2-Dichloropropane	ND ug/kg		58300 10000			02/01/12 19:57	78-87-5	
1,3-Dichloropropane	ND ug/kg		58300 10000			02/01/12 19:57	142-28-9	
2,2-Dichloropropane	ND ug/kg		58300 10000			02/01/12 19:57	594-20-7	
1,1-Dichloropropene	ND ug/kg		58300 10000			02/01/12 19:57	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		58300 10000			02/01/12 19:57	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		58300 10000			02/01/12 19:57	10061-02-6	
Ethylbenzene	ND ug/kg		58300 10000			02/01/12 19:57	100-41-4	
Hexachloro-1,3-butadiene	ND ug/kg		58300 10000			02/01/12 19:57	87-68-3	
2-Hexanone	ND ug/kg		233000 10000			02/01/12 19:57	591-78-6	
Isopropylbenzene (Cumene)	ND ug/kg		58300 10000			02/01/12 19:57	98-82-8	
p-Isopropyltoluene	ND ug/kg		58300 10000			02/01/12 19:57	99-87-6	
Methylene chloride	ND ug/kg		58300 10000			02/01/12 19:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		117000 10000			02/01/12 19:57	108-10-1	

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 5 of 35

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

Pace Package 5 of 37



ANALYTICAL RESULTS

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

Sample: SB-1 10-12.5 Lab ID: 60114109001 Collected: 01/23/12 10:05 Received: 01/24/12 07:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Methyl-tert-butyl ether	ND ug/kg		58300 10000			02/01/12 19:57	1634-04-4	
Naphthalene	ND ug/kg		117000 10000			02/01/12 19:57	91-20-3	
n-Propylbenzene	ND ug/kg		58300 10000			02/01/12 19:57	103-65-1	
Styrene	ND ug/kg		58300 10000			02/01/12 19:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		58300 10000			02/01/12 19:57	630-20-6	L2
1,1,2,2-Tetrachloroethane	ND ug/kg		58300 10000			02/01/12 19:57	79-34-5	
Tetrachloroethene	5830000 ug/kg		282000 50000			02/02/12 15:44	127-18-4	
Toluene	ND ug/kg		58300 10000			02/01/12 19:57	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		58300 10000			02/01/12 19:57	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		58300 10000			02/01/12 19:57	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		58300 10000			02/01/12 19:57	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		58300 10000			02/01/12 19:57	79-00-5	
Trichloroethene	ND ug/kg		58300 10000			02/01/12 19:57	79-01-6	
Trichlorofluoromethane	ND ug/kg		58300 10000			02/01/12 19:57	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		58300 10000			02/01/12 19:57	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		58300 10000			02/01/12 19:57	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		58300 10000			02/01/12 19:57	108-67-8	
Vinyl chloride	ND ug/kg		58300 10000			02/01/12 19:57	75-01-4	
Xylene (Total)	ND ug/kg		58300 10000			02/01/12 19:57	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98 %		68-129 10000			02/01/12 19:57	1868-53-7	
Toluene-d8 (S)	96 %		81-121 10000			02/01/12 19:57	2037-26-5	
4-Bromofluorobenzene (S)	96 %		75-131 10000			02/01/12 19:57	460-00-4	
1,2-Dichloroethane-d4 (S)	95 %		77-131 10000			02/01/12 19:57	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	14.2 %		0.50	1		01/25/12 00:00		

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 6 of 35

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Package 6 of 37

ANALYTICAL RESULTS

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

Sample: SB-2 12.5-15 Lab ID: 60114109002 Collected: 01/23/12 11:50 Received: 01/24/12 07:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	ND ug/kg		23.3	1		02/01/12 16:50	67-64-1	
Benzene	ND ug/kg		5.8	1		02/01/12 16:50	71-43-2	
Bromobenzene	ND ug/kg		5.8	1		02/01/12 16:50	108-86-1	
Bromochloromethane	ND ug/kg		5.8	1		02/01/12 16:50	74-97-5	
Bromodichloromethane	ND ug/kg		5.8	1		02/01/12 16:50	75-27-4	
Bromoform	ND ug/kg		5.8	1		02/01/12 16:50	75-25-2	
Bromomethane	ND ug/kg		5.8	1		02/01/12 16:50	74-83-9	
2-Butanone (MEK)	ND ug/kg		11.7	1		02/01/12 16:50	78-93-3	
n-Butylbenzene	ND ug/kg		5.8	1		02/01/12 16:50	104-51-8	
sec-Butylbenzene	ND ug/kg		5.8	1		02/01/12 16:50	135-98-8	
tert-Butylbenzene	ND ug/kg		5.8	1		02/01/12 16:50	98-06-6	
Carbon disulfide	ND ug/kg		5.8	1		02/01/12 16:50	75-15-0	
Carbon tetrachloride	ND ug/kg		5.8	1		02/01/12 16:50	56-23-5	
Chlorobenzene	ND ug/kg		5.8	1		02/01/12 16:50	108-90-7	
Chloroethane	ND ug/kg		5.8	1		02/01/12 16:50	75-00-3	
Chloroform	ND ug/kg		5.8	1		02/01/12 16:50	67-66-3	
Chloromethane	ND ug/kg		5.8	1		02/01/12 16:50	74-87-3	
2-Chlorotoluene	ND ug/kg		5.8	1		02/01/12 16:50	95-49-8	
4-Chlorotoluene	ND ug/kg		5.8	1		02/01/12 16:50	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		11.7	1		02/01/12 16:50	96-12-8	
Dibromochloromethane	ND ug/kg		5.8	1		02/01/12 16:50	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		5.8	1		02/01/12 16:50	106-93-4	
Dibromomethane	ND ug/kg		5.8	1		02/01/12 16:50	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		5.8	1		02/01/12 16:50	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		5.8	1		02/01/12 16:50	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		5.8	1		02/01/12 16:50	106-46-7	
Dichlorodifluoromethane	ND ug/kg		5.8	1		02/01/12 16:50	75-71-8	
1,1-Dichloroethane	ND ug/kg		5.8	1		02/01/12 16:50	75-34-3	
1,2-Dichloroethane	ND ug/kg		5.8	1		02/01/12 16:50	107-06-2	
1,2-Dichloroethene (Total)	ND ug/kg		5.8	1		02/01/12 16:50	540-59-0	
1,1-Dichloroethene	ND ug/kg		5.8	1		02/01/12 16:50	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		5.8	1		02/01/12 16:50	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		5.8	1		02/01/12 16:50	156-60-5	
1,2-Dichloropropane	ND ug/kg		5.8	1		02/01/12 16:50	78-87-5	
1,3-Dichloropropane	ND ug/kg		5.8	1		02/01/12 16:50	142-28-9	
2,2-Dichloropropane	ND ug/kg		5.8	1		02/01/12 16:50	594-20-7	
1,1-Dichloropropene	ND ug/kg		5.8	1		02/01/12 16:50	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		5.8	1		02/01/12 16:50	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		5.8	1		02/01/12 16:50	10061-02-6	
Ethylbenzene	ND ug/kg		5.8	1		02/01/12 16:50	100-41-4	
Hexachloro-1,3-butadiene	ND ug/kg		5.8	1		02/01/12 16:50	87-68-3	
2-Hexanone	ND ug/kg		23.3	1		02/01/12 16:50	591-78-6	
Isopropylbenzene (Cumene)	ND ug/kg		5.8	1		02/01/12 16:50	98-82-8	
p-Isopropyltoluene	ND ug/kg		5.8	1		02/01/12 16:50	99-87-6	
Methylene chloride	5.9 ug/kg		5.8	1		02/01/12 16:50	75-09-2	B,Z3
4-Methyl-2-pentanone (MIBK)	ND ug/kg		11.7	1		02/01/12 16:50	108-10-1	

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 7 of 35

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Package 7 of 37



ANALYTICAL RESULTS

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

Sample: SB-2 12.5-15 Lab ID: 60114109002 Collected: 01/23/12 11:50 Received: 01/24/12 07:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Methyl-tert-butyl ether	ND ug/kg		5.8	1		02/01/12 16:50	1634-04-4	
Naphthalene	ND ug/kg		11.7	1		02/01/12 16:50	91-20-3	
n-Propylbenzene	ND ug/kg		5.8	1		02/01/12 16:50	103-65-1	
Styrene	ND ug/kg		5.8	1		02/01/12 16:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		5.8	1		02/01/12 16:50	630-20-6	L2
1,1,2,2-Tetrachloroethane	ND ug/kg		5.8	1		02/01/12 16:50	79-34-5	
Tetrachloroethene	ND ug/kg		5.8	1		02/01/12 16:50	127-18-4	
Toluene	ND ug/kg		5.8	1		02/01/12 16:50	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		5.8	1		02/01/12 16:50	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		5.8	1		02/01/12 16:50	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		5.8	1		02/01/12 16:50	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		5.8	1		02/01/12 16:50	79-00-5	
Trichloroethene	ND ug/kg		5.8	1		02/01/12 16:50	79-01-6	
Trichlorofluoromethane	ND ug/kg		5.8	1		02/01/12 16:50	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		5.8	1		02/01/12 16:50	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		5.8	1		02/01/12 16:50	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		5.8	1		02/01/12 16:50	108-67-8	
Vinyl chloride	ND ug/kg		5.8	1		02/01/12 16:50	75-01-4	
Xylene (Total)	ND ug/kg		5.8	1		02/01/12 16:50	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	114 %		68-129	1		02/01/12 16:50	1868-53-7	
Toluene-d8 (S)	105 %		81-121	1		02/01/12 16:50	2037-26-5	
4-Bromofluorobenzene (S)	102 %		75-131	1		02/01/12 16:50	460-00-4	
1,2-Dichloroethane-d4 (S)	119 %		77-131	1		02/01/12 16:50	17060-07-0	
Percent Moisture	Analytical Method: ASTM-D2974-87							
Percent Moisture	14.2 %		0.50	1		01/25/12 00:00		

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 8 of 35

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Package 8 of 37

**ANALYTICAL RESULTS**

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

Sample: SB-3 12.5-15 Lab ID: 60114109003 Collected: 01/23/12 14:05 Received: 01/24/12 07:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acetone	ND ug/kg		22.6	1		02/01/12 17:05	67-64-1	
Benzene	ND ug/kg		5.6	1		02/01/12 17:05	71-43-2	
Bromobenzene	ND ug/kg		5.6	1		02/01/12 17:05	108-86-1	
Bromochloromethane	ND ug/kg		5.6	1		02/01/12 17:05	74-97-5	
Bromodichloromethane	ND ug/kg		5.6	1		02/01/12 17:05	75-27-4	
Bromoform	ND ug/kg		5.6	1		02/01/12 17:05	75-25-2	
Bromomethane	ND ug/kg		5.6	1		02/01/12 17:05	74-83-9	
2-Butanone (MEK)	ND ug/kg		11.3	1		02/01/12 17:05	78-93-3	
n-Butylbenzene	ND ug/kg		5.6	1		02/01/12 17:05	104-51-8	
sec-Butylbenzene	ND ug/kg		5.6	1		02/01/12 17:05	135-98-8	
tert-Butylbenzene	ND ug/kg		5.6	1		02/01/12 17:05	98-06-6	
Carbon disulfide	ND ug/kg		5.6	1		02/01/12 17:05	75-15-0	
Carbon tetrachloride	ND ug/kg		5.6	1		02/01/12 17:05	56-23-5	
Chlorobenzene	ND ug/kg		5.6	1		02/01/12 17:05	108-90-7	
Chloroethane	ND ug/kg		5.6	1		02/01/12 17:05	75-00-3	
Chloroform	ND ug/kg		5.6	1		02/01/12 17:05	67-66-3	
Chloromethane	ND ug/kg		5.6	1		02/01/12 17:05	74-87-3	
2-Chlorotoluene	ND ug/kg		5.6	1		02/01/12 17:05	95-49-8	
4-Chlorotoluene	ND ug/kg		5.6	1		02/01/12 17:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		11.3	1		02/01/12 17:05	96-12-8	
Dibromochloromethane	ND ug/kg		5.6	1		02/01/12 17:05	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		5.6	1		02/01/12 17:05	106-93-4	
Dibromomethane	ND ug/kg		5.6	1		02/01/12 17:05	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		5.6	1		02/01/12 17:05	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		5.6	1		02/01/12 17:05	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		5.6	1		02/01/12 17:05	106-46-7	
Dichlorodifluoromethane	ND ug/kg		5.6	1		02/01/12 17:05	75-71-8	
1,1-Dichloroethane	ND ug/kg		5.6	1		02/01/12 17:05	75-34-3	
1,2-Dichloroethane	ND ug/kg		5.6	1		02/01/12 17:05	107-06-2	
1,2-Dichloroethene (Total)	ND ug/kg		5.6	1		02/01/12 17:05	540-59-0	
1,1-Dichloroethene	ND ug/kg		5.6	1		02/01/12 17:05	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		5.6	1		02/01/12 17:05	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		5.6	1		02/01/12 17:05	156-60-5	
1,2-Dichloropropane	ND ug/kg		5.6	1		02/01/12 17:05	78-87-5	
1,3-Dichloropropane	ND ug/kg		5.6	1		02/01/12 17:05	142-28-9	
2,2-Dichloropropane	ND ug/kg		5.6	1		02/01/12 17:05	594-20-7	
1,1-Dichloropropene	ND ug/kg		5.6	1		02/01/12 17:05	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		5.6	1		02/01/12 17:05	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		5.6	1		02/01/12 17:05	10061-02-6	
Ethylbenzene	ND ug/kg		5.6	1		02/01/12 17:05	100-41-4	
Hexachloro-1,3-butadiene	ND ug/kg		5.6	1		02/01/12 17:05	87-68-3	
2-Hexanone	ND ug/kg		22.6	1		02/01/12 17:05	591-78-6	
Isopropylbenzene (Cumene)	ND ug/kg		5.6	1		02/01/12 17:05	98-82-8	
p-Isopropyltoluene	ND ug/kg		5.6	1		02/01/12 17:05	99-87-6	
Methylene chloride	ND ug/kg		5.6	1		02/01/12 17:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		11.3	1		02/01/12 17:05	108-10-1	

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 9 of 35

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Package 9 of 37



ANALYTICAL RESULTS

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

Sample: SB-3 12.5-15 Lab ID: 60114109003 Collected: 01/23/12 14:05 Received: 01/24/12 07:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Methyl-tert-butyl ether	ND ug/kg		5.6	1		02/01/12 17:05	1634-04-4	
Naphthalene	ND ug/kg		11.3	1		02/01/12 17:05	91-20-3	
n-Propylbenzene	ND ug/kg		5.6	1		02/01/12 17:05	103-65-1	
Styrene	ND ug/kg		5.6	1		02/01/12 17:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		5.6	1		02/01/12 17:05	630-20-6	L2
1,1,2,2-Tetrachloroethane	ND ug/kg		5.6	1		02/01/12 17:05	79-34-5	
Tetrachloroethene	ND ug/kg		5.6	1		02/01/12 17:05	127-18-4	
Toluene	ND ug/kg		5.6	1		02/01/12 17:05	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		5.6	1		02/01/12 17:05	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		5.6	1		02/01/12 17:05	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		5.6	1		02/01/12 17:05	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		5.6	1		02/01/12 17:05	79-00-5	
Trichloroethene	ND ug/kg		5.6	1		02/01/12 17:05	79-01-6	
Trichlorofluoromethane	ND ug/kg		5.6	1		02/01/12 17:05	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		5.6	1		02/01/12 17:05	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		5.6	1		02/01/12 17:05	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		5.6	1		02/01/12 17:05	108-67-8	
Vinyl chloride	ND ug/kg		5.6	1		02/01/12 17:05	75-01-4	
Xylene (Total)	ND ug/kg		5.6	1		02/01/12 17:05	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97 %		68-129	1		02/01/12 17:05	1868-53-7	
Toluene-d8 (S)	101 %		81-121	1		02/01/12 17:05	2037-26-5	
4-Bromofluorobenzene (S)	101 %		75-131	1		02/01/12 17:05	460-00-4	
1,2-Dichloroethane-d4 (S)	104 %		77-131	1		02/01/12 17:05	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	11.5 %		0.50	1		01/25/12 00:00		

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 10 of 35

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Package 10 of 37



ANALYTICAL RESULTS

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

Sample: MW-1	Lab ID: 60114109004	Collected: 01/23/12 13:00	Received: 01/24/12 07:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
Acetone	ND ug/L		1000	100		01/30/12 14:41	67-64-1	
Benzene	ND ug/L		100	100		01/30/12 14:41	71-43-2	
Bromobenzene	ND ug/L		100	100		01/30/12 14:41	108-86-1	
Bromochloromethane	ND ug/L		100	100		01/30/12 14:41	74-97-5	
Bromodichloromethane	ND ug/L		100	100		01/30/12 14:41	75-27-4	
Bromoform	ND ug/L		100	100		01/30/12 14:41	75-25-2	
Bromomethane	ND ug/L		100	100		02/02/12 12:21	74-83-9	
2-Butanone (MEK)	ND ug/L		1000	100		01/30/12 14:41	78-93-3	
n-Butylbenzene	ND ug/L		100	100		01/30/12 14:41	104-51-8	
sec-Butylbenzene	ND ug/L		100	100		01/30/12 14:41	135-98-8	
tert-Butylbenzene	ND ug/L		100	100		01/30/12 14:41	98-06-6	
Carbon disulfide	ND ug/L		500	100		01/30/12 14:41	75-15-0	
Carbon tetrachloride	ND ug/L		100	100		01/30/12 14:41	56-23-5	
Chlorobenzene	ND ug/L		100	100		01/30/12 14:41	108-90-7	
Chloroethane	ND ug/L		100	100		01/30/12 14:41	75-00-3	
Chloroform	ND ug/L		100	100		01/30/12 14:41	67-66-3	
Chloromethane	ND ug/L		100	100		01/30/12 14:41	74-87-3	
2-Chlorotoluene	ND ug/L		100	100		01/30/12 14:41	95-49-8	
4-Chlorotoluene	ND ug/L		100	100		01/30/12 14:41	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		250	100		01/30/12 14:41	96-12-8	
Dibromochloromethane	ND ug/L		100	100		01/30/12 14:41	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		100	100		01/30/12 14:41	106-93-4	
Dibromomethane	ND ug/L		100	100		01/30/12 14:41	74-95-3	
1,2-Dichlorobenzene	ND ug/L		100	100		01/30/12 14:41	95-50-1	
1,3-Dichlorobenzene	ND ug/L		100	100		01/30/12 14:41	541-73-1	
1,4-Dichlorobenzene	ND ug/L		100	100		01/30/12 14:41	106-46-7	
Dichlorodifluoromethane	ND ug/L		100	100		01/30/12 14:41	75-71-8	
1,1-Dichloroethane	ND ug/L		100	100		01/30/12 14:41	75-34-3	
1,2-Dichloroethane	ND ug/L		100	100		01/30/12 14:41	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		100	100		01/30/12 14:41	540-59-0	
1,1-Dichloroethene	ND ug/L		100	100		01/30/12 14:41	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		100	100		01/30/12 14:41	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		100	100		01/30/12 14:41	156-60-5	
1,2-Dichloropropane	ND ug/L		100	100		01/30/12 14:41	78-87-5	
1,3-Dichloropropane	ND ug/L		100	100		01/30/12 14:41	142-28-9	
2,2-Dichloropropane	ND ug/L		100	100		01/30/12 14:41	594-20-7	
1,1-Dichloropropene	ND ug/L		100	100		01/30/12 14:41	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		100	100		01/30/12 14:41	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		100	100		01/30/12 14:41	10061-02-6	
Ethylbenzene	ND ug/L		100	100		01/30/12 14:41	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		100	100		01/30/12 14:41	87-68-3	
2-Hexanone	ND ug/L		1000	100		01/30/12 14:41	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		100	100		01/30/12 14:41	98-82-8	
p-Isopropyltoluene	ND ug/L		100	100		01/30/12 14:41	99-87-6	
Methylene chloride	ND ug/L		100	100		01/30/12 14:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		01/30/12 14:41	108-10-1	
Methyl-tert-butyl ether	ND ug/L		100	100		01/30/12 14:41	1634-04-4	

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Page 11 of 35

Pace Package 11 of 37



ANALYTICAL RESULTS

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

Sample: MW-1	Lab ID: 60114109004	Collected: 01/23/12 13:00	Received: 01/24/12 07:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
Naphthalene	ND ug/L		1000	100		01/30/12 14:41	91-20-3	
n-Propylbenzene	ND ug/L		100	100		01/30/12 14:41	103-65-1	
Styrene	ND ug/L		100	100		01/30/12 14:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		100	100		01/30/12 14:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		100	100		01/30/12 14:41	79-34-5	
Tetrachloroethene	7030 ug/L		100	100		01/30/12 14:41	127-18-4	
Toluene	ND ug/L		100	100		01/30/12 14:41	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		100	100		01/30/12 14:41	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		100	100		01/30/12 14:41	120-82-1	
1,1,1-Trichloroethane	ND ug/L		100	100		01/30/12 14:41	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		01/30/12 14:41	79-00-5	
Trichloroethene	ND ug/L		100	100		01/30/12 14:41	79-01-6	
Trichlorofluoromethane	ND ug/L		100	100		01/30/12 14:41	75-69-4	
1,2,3-Trichloropropane	ND ug/L		250	100		01/30/12 14:41	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		100	100		01/30/12 14:41	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		100	100		01/30/12 14:41	108-67-8	
Vinyl chloride	ND ug/L		100	100		01/30/12 14:41	75-01-4	
Xylene (Total)	ND ug/L		300	100		01/30/12 14:41	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	88 %		87-113	100		01/30/12 14:41	460-00-4	
Dibromofluoromethane (S)	98 %		86-112	100		01/30/12 14:41	1868-53-7	
1,2-Dichloroethane-d4 (S)	92 %		82-119	100		01/30/12 14:41	17060-07-0	
Toluene-d8 (S)	100 %		90-110	100		01/30/12 14:41	2037-26-5	
Preservation pH	1.0		0.10	100		01/30/12 14:41		

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 12 of 35

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Package 12 of 37



ANALYTICAL RESULTS

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

Sample: MW-2	Lab ID: 60114109005	Collected: 01/23/12 14:45	Received: 01/24/12 07:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
Acetone	ND ug/L		10.0	1		01/26/12 13:37	67-64-1	
Benzene	ND ug/L		1.0	1		01/26/12 13:37	71-43-2	
Bromobenzene	ND ug/L		1.0	1		01/26/12 13:37	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		01/26/12 13:37	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		01/26/12 13:37	75-27-4	
Bromoform	ND ug/L		1.0	1		01/26/12 13:37	75-25-2	
Bromomethane	ND ug/L		1.0	1		01/26/12 13:37	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		01/26/12 13:37	78-93-3	
n-Butylbenzene	ND ug/L		1.0	1		01/26/12 13:37	104-51-8	
sec-Butylbenzene	ND ug/L		1.0	1		01/26/12 13:37	135-98-8	
tert-Butylbenzene	ND ug/L		1.0	1		01/26/12 13:37	98-06-6	
Carbon disulfide	ND ug/L		5.0	1		01/26/12 13:37	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		01/26/12 13:37	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		01/26/12 13:37	108-90-7	
Chloroethane	ND ug/L		1.0	1		01/26/12 13:37	75-00-3	
Chloroform	ND ug/L		1.0	1		01/26/12 13:37	67-66-3	
Chloromethane	ND ug/L		1.0	1		01/26/12 13:37	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		01/26/12 13:37	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		01/26/12 13:37	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		2.5	1		01/26/12 13:37	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		01/26/12 13:37	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		01/26/12 13:37	106-93-4	
Dibromomethane	ND ug/L		1.0	1		01/26/12 13:37	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		01/26/12 13:37	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		01/26/12 13:37	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		01/26/12 13:37	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		01/26/12 13:37	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		01/26/12 13:37	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		01/26/12 13:37	107-06-2	
1,2-Dichloroethene (Total)	165 ug/L		20.0	20		01/30/12 14:55	540-59-0	
1,1-Dichloroethene	ND ug/L		1.0	1		01/26/12 13:37	75-35-4	
cis-1,2-Dichloroethene	165 ug/L		20.0	20		01/30/12 14:55	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		01/26/12 13:37	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		01/26/12 13:37	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		01/26/12 13:37	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		01/26/12 13:37	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		01/26/12 13:37	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		01/26/12 13:37	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		01/26/12 13:37	10061-02-6	
Ethylbenzene	ND ug/L		1.0	1		01/26/12 13:37	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		01/26/12 13:37	87-68-3	
2-Hexanone	ND ug/L		10.0	1		01/26/12 13:37	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		01/26/12 13:37	98-82-8	
p-Isopropyltoluene	ND ug/L		1.0	1		01/26/12 13:37	99-87-6	
Methylene chloride	ND ug/L		1.0	1		01/26/12 13:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		01/26/12 13:37	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		01/26/12 13:37	1634-04-4	

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 13 of 35

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Package 13 of 37

**ANALYTICAL RESULTS**

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

Sample: MW-2	Lab ID: 60114109005	Collected: 01/23/12 14:45	Received: 01/24/12 07:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
Naphthalene	ND ug/L		10.0	1		01/26/12 13:37	91-20-3	
n-Propylbenzene	ND ug/L		1.0	1		01/26/12 13:37	103-65-1	
Styrene	ND ug/L		1.0	1		01/26/12 13:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		01/26/12 13:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		01/26/12 13:37	79-34-5	
Tetrachloroethene	1220 ug/L		20.0	20		01/30/12 14:55	127-18-4	
Toluene	ND ug/L		1.0	1		01/26/12 13:37	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		01/26/12 13:37	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		01/26/12 13:37	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		01/26/12 13:37	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		01/26/12 13:37	79-00-5	
Trichloroethene	24.1 ug/L		1.0	1		01/26/12 13:37	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		01/26/12 13:37	75-69-4	
1,2,3-Trichloropropane	ND ug/L		2.5	1		01/26/12 13:37	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		1.0	1		01/26/12 13:37	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		01/26/12 13:37	108-67-8	
Vinyl chloride	ND ug/L		1.0	1		01/26/12 13:37	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		01/26/12 13:37	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	112 %		87-113	1		01/26/12 13:37	460-00-4	
Dibromofluoromethane (S)	106 %		86-112	1		01/26/12 13:37	1868-53-7	
1,2-Dichloroethane-d4 (S)	99 %		82-119	1		01/26/12 13:37	17060-07-0	
Toluene-d8 (S)	101 %		90-110	1		01/26/12 13:37	2037-26-5	
Preservation pH	1.0		0.10	1		01/26/12 13:37		

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 14 of 35

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Package 14 of 37

ANALYTICAL RESULTS

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

Sample: MW-3	Lab ID: 60114109006	Collected: 01/23/12 15:20	Received: 01/24/12 07:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
Acetone	ND ug/L		10.0	1		01/26/12 13:51	67-64-1	
Benzene	ND ug/L		1.0	1		01/26/12 13:51	71-43-2	
Bromobenzene	ND ug/L		1.0	1		01/26/12 13:51	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		01/26/12 13:51	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		01/26/12 13:51	75-27-4	
Bromoform	ND ug/L		1.0	1		01/26/12 13:51	75-25-2	
Bromomethane	ND ug/L		1.0	1		01/26/12 13:51	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		01/26/12 13:51	78-93-3	
n-Butylbenzene	ND ug/L		1.0	1		01/26/12 13:51	104-51-8	
sec-Butylbenzene	ND ug/L		1.0	1		01/26/12 13:51	135-98-8	
tert-Butylbenzene	ND ug/L		1.0	1		01/26/12 13:51	98-06-6	
Carbon disulfide	ND ug/L		5.0	1		01/26/12 13:51	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		01/26/12 13:51	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		01/26/12 13:51	108-90-7	
Chloroethane	ND ug/L		1.0	1		01/26/12 13:51	75-00-3	
Chloroform	8.2 ug/L		1.0	1		01/26/12 13:51	67-66-3	
Chloromethane	ND ug/L		1.0	1		01/26/12 13:51	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		01/26/12 13:51	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		01/26/12 13:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		2.5	1		01/26/12 13:51	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		01/26/12 13:51	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		01/26/12 13:51	106-93-4	
Dibromomethane	ND ug/L		1.0	1		01/26/12 13:51	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		01/26/12 13:51	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		01/26/12 13:51	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		01/26/12 13:51	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		01/26/12 13:51	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		01/26/12 13:51	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		01/26/12 13:51	107-06-2	
1,2-Dichloroethene (Total)	1.3 ug/L		1.0	1		01/30/12 15:09	540-59-0	
1,1-Dichloroethene	ND ug/L		1.0	1		01/26/12 13:51	75-35-4	
cis-1,2-Dichloroethene	1.3 ug/L		1.0	1		01/30/12 15:09	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		01/26/12 13:51	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		01/26/12 13:51	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		01/26/12 13:51	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		01/26/12 13:51	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		01/26/12 13:51	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		01/26/12 13:51	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		01/26/12 13:51	10061-02-6	
Ethylbenzene	ND ug/L		1.0	1		01/26/12 13:51	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		01/26/12 13:51	87-68-3	
2-Hexanone	ND ug/L		10.0	1		01/26/12 13:51	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		01/26/12 13:51	98-82-8	
p-Isopropyltoluene	ND ug/L		1.0	1		01/26/12 13:51	99-87-6	
Methylene chloride	ND ug/L		1.0	1		01/26/12 13:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		01/26/12 13:51	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		01/26/12 13:51	1634-04-4	

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 15 of 35

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Package 15 of 37



ANALYTICAL RESULTS

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

Sample: MW-3	Lab ID: 60114109006	Collected: 01/23/12 15:20	Received: 01/24/12 07:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
Naphthalene	ND ug/L		10.0	1		01/26/12 13:51	91-20-3	
n-Propylbenzene	ND ug/L		1.0	1		01/26/12 13:51	103-65-1	
Styrene	ND ug/L		1.0	1		01/26/12 13:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		01/26/12 13:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		01/26/12 13:51	79-34-5	
Tetrachloroethene	69.7 ug/L		1.0	1		01/30/12 15:09	127-18-4	
Toluene	ND ug/L		1.0	1		01/26/12 13:51	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		01/26/12 13:51	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		01/26/12 13:51	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		01/26/12 13:51	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		01/26/12 13:51	79-00-5	
Trichloroethene	ND ug/L		1.0	1		01/26/12 13:51	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		01/26/12 13:51	75-69-4	
1,2,3-Trichloropropane	ND ug/L		2.5	1		01/26/12 13:51	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		1.0	1		01/26/12 13:51	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		01/26/12 13:51	108-67-8	
Vinyl chloride	ND ug/L		1.0	1		01/26/12 13:51	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		01/26/12 13:51	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	107 %		87-113	1		01/26/12 13:51	460-00-4	
Dibromofluoromethane (S)	104 %		86-112	1		01/26/12 13:51	1868-53-7	
1,2-Dichloroethane-d4 (S)	96 %		82-119	1		01/26/12 13:51	17060-07-0	
Toluene-d8 (S)	100 %		90-110	1		01/26/12 13:51	2037-26-5	
Preservation pH	1.0		0.10	1		01/26/12 13:51		

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 16 of 35

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Package 16 of 37



QUALITY CONTROL DATA

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

QC Batch:	MSV/43267	Analysis Method:	EPA 5030B/8260
QC Batch Method:	EPA 5030B/8260	Analysis Description:	8260 MSV Water 10 mL Purge
Associated Lab Samples:	60114109005, 60114109006		

METHOD BLANK: 943347 Matrix: Water

Associated Lab Samples: 60114109005, 60114109006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	01/26/12 10:24	
1,1,1-Trichloroethane	ug/L	ND	1.0	01/26/12 10:24	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	01/26/12 10:24	
1,1,2-Trichloroethane	ug/L	ND	1.0	01/26/12 10:24	
1,1-Dichloroethane	ug/L	ND	1.0	01/26/12 10:24	
1,1-Dichloroethene	ug/L	ND	1.0	01/26/12 10:24	
1,1-Dichloropropene	ug/L	ND	1.0	01/26/12 10:24	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	01/26/12 10:24	
1,2,3-Trichloropropane	ug/L	ND	2.5	01/26/12 10:24	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	01/26/12 10:24	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	01/26/12 10:24	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	01/26/12 10:24	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	01/26/12 10:24	
1,2-Dichlorobenzene	ug/L	ND	1.0	01/26/12 10:24	
1,2-Dichloroethane	ug/L	ND	1.0	01/26/12 10:24	
1,2-Dichloropropane	ug/L	ND	1.0	01/26/12 10:24	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	01/26/12 10:24	
1,3-Dichlorobenzene	ug/L	ND	1.0	01/26/12 10:24	
1,3-Dichloropropane	ug/L	ND	1.0	01/26/12 10:24	
1,4-Dichlorobenzene	ug/L	ND	1.0	01/26/12 10:24	
2,2-Dichloropropane	ug/L	ND	1.0	01/26/12 10:24	
2-Butanone (MEK)	ug/L	ND	10.0	01/26/12 10:24	
2-Chlorotoluene	ug/L	ND	1.0	01/26/12 10:24	
2-Hexanone	ug/L	ND	10.0	01/26/12 10:24	
4-Chlorotoluene	ug/L	ND	1.0	01/26/12 10:24	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	01/26/12 10:24	
Acetone	ug/L	ND	10.0	01/26/12 10:24	
Benzene	ug/L	ND	1.0	01/26/12 10:24	
Bromobenzene	ug/L	ND	1.0	01/26/12 10:24	
Bromochloromethane	ug/L	ND	1.0	01/26/12 10:24	
Bromodichloromethane	ug/L	ND	1.0	01/26/12 10:24	
Bromoform	ug/L	ND	1.0	01/26/12 10:24	
Bromomethane	ug/L	ND	1.0	01/26/12 10:24	
Carbon disulfide	ug/L	ND	5.0	01/26/12 10:24	
Carbon tetrachloride	ug/L	ND	1.0	01/26/12 10:24	
Chlorobenzene	ug/L	ND	1.0	01/26/12 10:24	
Chloroethane	ug/L	ND	1.0	01/26/12 10:24	
Chloroform	ug/L	ND	1.0	01/26/12 10:24	
Chloromethane	ug/L	ND	1.0	01/26/12 10:24	
cis-1,3-Dichloropropene	ug/L	ND	1.0	01/26/12 10:24	
Dibromochloromethane	ug/L	ND	1.0	01/26/12 10:24	
Dibromomethane	ug/L	ND	1.0	01/26/12 10:24	
Dichlorodifluoromethane	ug/L	ND	1.0	01/26/12 10:24	

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 17 of 35

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Package 17 of 37



QUALITY CONTROL DATA

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

METHOD BLANK: 943347

Matrix: Water

Associated Lab Samples: 60114109005, 60114109006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	1.0	01/26/12 10:24	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	01/26/12 10:24	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	01/26/12 10:24	
Methyl-tert-butyl ether	ug/L	ND	1.0	01/26/12 10:24	
Methylene chloride	ug/L	ND	1.0	01/26/12 10:24	
n-Butylbenzene	ug/L	ND	1.0	01/26/12 10:24	
n-Propylbenzene	ug/L	ND	1.0	01/26/12 10:24	
Naphthalene	ug/L	ND	10.0	01/26/12 10:24	
p-Isopropyltoluene	ug/L	ND	1.0	01/26/12 10:24	
sec-Butylbenzene	ug/L	ND	1.0	01/26/12 10:24	
Styrene	ug/L	ND	1.0	01/26/12 10:24	
tert-Butylbenzene	ug/L	ND	1.0	01/26/12 10:24	
Toluene	ug/L	ND	1.0	01/26/12 10:24	
trans-1,2-Dichloroethene	ug/L	ND	1.0	01/26/12 10:24	
trans-1,3-Dichloropropene	ug/L	ND	1.0	01/26/12 10:24	
Trichloroethene	ug/L	ND	1.0	01/26/12 10:24	
Trichlorofluoromethane	ug/L	ND	1.0	01/26/12 10:24	
Vinyl chloride	ug/L	ND	1.0	01/26/12 10:24	
Xylene (Total)	ug/L	ND	3.0	01/26/12 10:24	
1,2-Dichloroethane-d4 (S)	%	99	82-119	01/26/12 10:24	
4-Bromofluorobenzene (S)	%	109	87-113	01/26/12 10:24	
Dibromofluoromethane (S)	%	107	86-112	01/26/12 10:24	
Toluene-d8 (S)	%	102	90-110	01/26/12 10:24	

LABORATORY CONTROL SAMPLE: 943348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	22.3	112	81-121	
1,1,1-Trichloroethane	ug/L	20	21.6	108	82-119	
1,1,2,2-Tetrachloroethane	ug/L	20	18.2	91	78-124	
1,1,2-Trichloroethane	ug/L	20	20.9	104	79-121	
1,1-Dichloroethane	ug/L	20	19.7	99	73-119	
1,1-Dichloroethene	ug/L	20	20.1	100	75-120	
1,1-Dichloropropene	ug/L	20	20.7	104	79-123	
1,2,3-Trichlorobenzene	ug/L	20	21.6	108	73-122	
1,2,3-Trichloropropane	ug/L	20	19.8	99	77-124	
1,2,4-Trichlorobenzene	ug/L	20	20.9	104	75-120	
1,2,4-Trimethylbenzene	ug/L	20	19.7	98	77-120	
1,2-Dibromo-3-chloropropane	ug/L	20	19.5	97	69-125	
1,2-Dibromoethane (EDB)	ug/L	20	21.5	107	85-121	
1,2-Dichlorobenzene	ug/L	20	20.8	104	82-115	
1,2-Dichloroethane	ug/L	20	20.8	104	77-125	
1,2-Dichloropropane	ug/L	20	19.4	97	83-119	
1,3,5-Trimethylbenzene	ug/L	20	20.1	101	79-121	
1,3-Dichlorobenzene	ug/L	20	20.3	101	79-117	

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 18 of 35

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Package 18 of 37



QUALITY CONTROL DATA

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

LABORATORY CONTROL SAMPLE: 943348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	20	20.1	100	78-116	
1,4-Dichlorobenzene	ug/L	20	20.5	103	83-115	
2,2-Dichloropropane	ug/L	20	17.7	89	66-123	
2-Butanone (MEK)	ug/L	100	113	113	43-165	
2-Chlorotoluene	ug/L	20	19.4	97	81-117	
2-Hexanone	ug/L	100	113	113	47-159	
4-Chlorotoluene	ug/L	20	20.6	103	84-116	
4-Methyl-2-pentanone (MIBK)	ug/L	100	89.9	90	71-129	
Acetone	ug/L	100	143	143	18-192	
Benzene	ug/L	20	20.8	104	82-117	
Bromobenzene	ug/L	20	20.4	102	83-116	
Bromochloromethane	ug/L	20	20.8	104	79-121	
Bromodichloromethane	ug/L	20	21.1	105	79-114	
Bromoform	ug/L	20	22.3	111	78-121	
Bromomethane	ug/L	20	19.9	100	36-146	
Carbon disulfide	ug/L	20	24.3	121	75-138	
Carbon tetrachloride	ug/L	20	22.6	113	80-123	
Chlorobenzene	ug/L	20	20.9	105	83-121	
Chloroethane	ug/L	20	15.9	80	42-166	
Chloroform	ug/L	20	21.5	108	82-116	
Chloromethane	ug/L	20	11.5	57	32-127	
cis-1,3-Dichloropropene	ug/L	20	20.8	104	76-119	
Dibromochloromethane	ug/L	20	22.5	113	81-123	
Dibromomethane	ug/L	20	21.1	105	79-123	
Dichlorodifluoromethane	ug/L	20	13.2	66	10-163	
Ethylbenzene	ug/L	20	21.3	106	79-121	
Hexachloro-1,3-butadiene	ug/L	20	19.7	98	78-125	
Isopropylbenzene (Cumene)	ug/L	20	22.2	111	80-120	
Methyl-tert-butyl ether	ug/L	20	19.5	98	78-119	
Methylene chloride	ug/L	20	20.5	103	75-118	
n-Butylbenzene	ug/L	20	20.0	100	80-126	
n-Propylbenzene	ug/L	20	19.7	99	83-116	
Naphthalene	ug/L	20	20.9	104	66-133	
p-Isopropyltoluene	ug/L	20	20.3	101	77-120	
sec-Butylbenzene	ug/L	20	20.2	101	81-120	
Styrene	ug/L	20	20.5	103	84-115	
tert-Butylbenzene	ug/L	20	20.2	101	80-117	
Toluene	ug/L	20	21.0	105	80-120	
trans-1,2-Dichloroethene	ug/L	20	24.5	122	79-120 L0	
trans-1,3-Dichloropropene	ug/L	20	22.6	113	76-118	
Trichloroethene	ug/L	20	21.2	106	76-122	
Trichlorofluoromethane	ug/L	20	20.4	102	72-120	
Vinyl chloride	ug/L	20	15.0	75	57-163	
Xylene (Total)	ug/L	60	63.4	106	75-120	
1,2-Dichloroethane-d4 (S)	%			95	82-119	
4-Bromofluorobenzene (S)	%			105	87-113	
Dibromofluoromethane (S)	%			102	86-112	
Toluene-d8 (S)	%			99	90-110	

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 19 of 35

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Package 19 of 37



QUALITY CONTROL DATA

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		943349	943350									
Parameter	Units	60114211006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20.6	21.1	103	105	56-124	2	26	
1,1,1-Trichloroethane	ug/L	ND	20	20	21.2	20.9	106	105	57-128	1	27	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	16.4	16.5	82	82	48-137	1	26	
1,1,2-Trichloroethane	ug/L	ND	20	20	19.1	19.0	95	95	57-136	0	25	
1,1-Dichloroethane	ug/L	ND	20	20	18.8	18.9	94	94	55-130	1	27	
1,1-Dichloroethene	ug/L	ND	20	20	19.4	19.5	97	97	46-146	0	25	
1,1-Dichloropropene	ug/L	ND	20	20	20.4	20.2	102	101	57-137	1	27	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	18.1	19.2	91	96	41-136	6	22	
1,2,3-Trichloropropane	ug/L	ND	20	20	18.1	17.0	90	85	56-136	6	24	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	19.0	19.8	95	99	32-140	4	26	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	18.0	17.6	90	88	42-133	2	23	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	17.6	17.9	88	90	36-167	2	29	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20.2	20.9	101	104	45-155	3	21	
1,2-Dichlorobenzene	ug/L	ND	20	20	18.4	18.5	92	93	54-125	1	19	
1,2-Dichloroethane	ug/L	ND	20	20	19.5	19.9	97	100	44-145	2	22	
1,2-Dichloropropane	ug/L	ND	20	20	18.1	18.4	90	92	60-124	2	26	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	18.1	17.9	91	89	38-143	1	27	
1,3-Dichlorobenzene	ug/L	ND	20	20	18.0	18.0	90	90	53-123	0	24	
1,3-Dichloropropane	ug/L	ND	20	20	18.6	18.9	93	95	61-130	2	27	
1,4-Dichlorobenzene	ug/L	ND	20	20	18.4	18.4	92	92	53-121	0	25	
2,2-Dichloropropane	ug/L	ND	20	20	16.9	16.5	85	83	21-146	2	25	
2-Butanone (MEK)	ug/L	ND	100	100	72.0	75.5	72	76	29-131	5	27	
2-Chlorotoluene	ug/L	ND	20	20	17.4	17.1	87	86	54-131	2	21	
2-Hexanone	ug/L	ND	100	100	73.3	75.4	73	75	41-137	3	24	
4-Chlorotoluene	ug/L	ND	20	20	18.2	18.6	91	93	56-130	2	22	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	100	81.0	83.2	81	83	38-139	3	25	
Acetone	ug/L	ND	100	100	65.5	67.8	65	67	30-147	3	30	
Benzene	ug/L	ND	20	20	20.0	19.9	100	100	58-139	0	21	
Bromobenzene	ug/L	ND	20	20	17.7	17.9	88	89	57-123	1	21	
Bromochloromethane	ug/L	ND	20	20	19.8	19.8	99	99	56-127	0	24	
Bromodichloromethane	ug/L	ND	20	20	19.7	19.8	99	99	56-125	0	26	
Bromoform	ug/L	ND	20	20	20.9	21.2	105	106	41-132	1	21	
Bromomethane	ug/L	ND	20	20	15.3	19.4	74	95	11-162	24	30	
Carbon disulfide	ug/L	ND	20	20	24.3	23.6	121	117	28-155	3	25	
Carbon tetrachloride	ug/L	ND	20	20	22.0	22.3	110	111	54-138	1	23	
Chlorobenzene	ug/L	ND	20	20	19.6	19.5	98	98	56-129	0	21	
Chloroethane	ug/L	ND	20	20	15.1	14.2	76	71	42-178	6	33	
Chloroform	ug/L	ND	20	20	20.3	20.4	102	102	55-130	1	23	
Chloromethane	ug/L	ND	20	20	10.7	10.5	53	52	39-141	2	29	
cis-1,3-Dichloropropene	ug/L	ND	20	20	19.7	19.9	98	100	49-128	1	23	
Dibromochloromethane	ug/L	ND	20	20	21.0	21.6	105	108	57-119	3	21	
Dibromomethane	ug/L	ND	20	20	19.5	20.0	98	100	58-123	3	26	
Dichlorodifluoromethane	ug/L	ND	20	20	12.3	11.6	61	57	13-152	6	33	
Ethylbenzene	ug/L	ND	20	20	20.2	20.1	101	100	56-138	1	19	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	17.4	17.8	87	89	34-141	2	27	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	21.3	21.2	106	106	49-120	1	19	
Methyl-tert-butyl ether	ug/L	ND	20	20	17.9	18.5	89	92	35-140	3	20	

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 20 of 35

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Package 20 of 37



QUALITY CONTROL DATA

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

Parameter	Units	60114211006		943349		943350		MSD % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Methylene chloride	ug/L	ND	20	20	19.6	18.4	98	92	44-133	6	27		
n-Butylbenzene	ug/L	ND	20	20	18.0	17.8	90	89	44-138	1	27		
n-Propylbenzene	ug/L	ND	20	20	17.7	17.4	89	87	46-136	2	22		
Naphthalene	ug/L	ND	20	20	18.5	19.1	92	96	26-159	3	34		
p-Isopropyltoluene	ug/L	ND	20	20	18.2	18.0	91	90	47-129	1	23		
sec-Butylbenzene	ug/L	ND	20	20	18.0	17.9	90	90	51-138	1	23		
Styrene	ug/L	ND	20	20	18.9	19.4	95	97	31-162	2	26		
tert-Butylbenzene	ug/L	ND	20	20	18.4	18.0	92	90	54-135	3	22		
Toluene	ug/L	ND	20	20	20.1	19.9	101	100	59-140	1	19		
trans-1,2-Dichloroethene	ug/L		20	20	23.6	23.7	118	118	62-130	0	25		
trans-1,3-Dichloropropene	ug/L	ND	20	20	20.5	20.9	102	104	41-111	2	20		
Trichloroethene	ug/L	ND	20	20	20.7	20.6	103	103	37-148	1	25		
Trichlorofluoromethane	ug/L	ND	20	20	19.9	19.6	100	98	53-138	2	30		
Vinyl chloride	ug/L	2.5	20	20	17.4	16.8	74	71	47-133	4	32		
Xylene (Total)	ug/L	ND	60	60	58.7	59.3	98	99	52-146	1	19		
1,2-Dichloroethane-d4 (S)	%						96	97	82-119				
4-Bromofluorobenzene (S)	%						107	110	87-113				
Dibromofluoromethane (S)	%						104	105	86-112				
Toluene-d8 (S)	%						99	100	90-110				
Preservation pH		1.0			1.0	1.0				0			

QUALITY CONTROL DATA

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

QC Batch:	MSV/43319	Analysis Method:	EPA 5030B/8260
QC Batch Method:	EPA 5030B/8260	Analysis Description:	8260 MSV Water 10 mL Purge
Associated Lab Samples:	60114109004, 60114109005, 60114109006		

METHOD BLANK: 945041 Matrix: Water

Associated Lab Samples: 60114109004, 60114109005, 60114109006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	01/30/12 14:16	
1,1,1-Trichloroethane	ug/L	ND	1.0	01/30/12 14:16	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	01/30/12 14:16	
1,1,2-Trichloroethane	ug/L	ND	1.0	01/30/12 14:16	
1,1-Dichloroethane	ug/L	ND	1.0	01/30/12 14:16	
1,1-Dichloroethene	ug/L	ND	1.0	01/30/12 14:16	
1,1-Dichloropropene	ug/L	ND	1.0	01/30/12 14:16	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	01/30/12 14:16	
1,2,3-Trichloropropane	ug/L	ND	2.5	01/30/12 14:16	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	01/30/12 14:16	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	01/30/12 14:16	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	01/30/12 14:16	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	01/30/12 14:16	
1,2-Dichlorobenzene	ug/L	ND	1.0	01/30/12 14:16	
1,2-Dichloroethane	ug/L	ND	1.0	01/30/12 14:16	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	01/30/12 14:16	
1,2-Dichloropropane	ug/L	ND	1.0	01/30/12 14:16	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	01/30/12 14:16	
1,3-Dichlorobenzene	ug/L	ND	1.0	01/30/12 14:16	
1,3-Dichloropropane	ug/L	ND	1.0	01/30/12 14:16	
1,4-Dichlorobenzene	ug/L	ND	1.0	01/30/12 14:16	
2,2-Dichloropropane	ug/L	ND	1.0	01/30/12 14:16	
2-Butanone (MEK)	ug/L	ND	10.0	01/30/12 14:16	
2-Chlorotoluene	ug/L	ND	1.0	01/30/12 14:16	
2-Hexanone	ug/L	ND	10.0	01/30/12 14:16	
4-Chlorotoluene	ug/L	ND	1.0	01/30/12 14:16	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	01/30/12 14:16	
Acetone	ug/L	ND	10.0	01/30/12 14:16	
Benzene	ug/L	ND	1.0	01/30/12 14:16	
Bromobenzene	ug/L	ND	1.0	01/30/12 14:16	
Bromochloromethane	ug/L	ND	1.0	01/30/12 14:16	
Bromodichloromethane	ug/L	ND	1.0	01/30/12 14:16	
Bromoform	ug/L	ND	1.0	01/30/12 14:16	
Carbon disulfide	ug/L	ND	5.0	01/30/12 14:16	
Carbon tetrachloride	ug/L	ND	1.0	01/30/12 14:16	
Chlorobenzene	ug/L	ND	1.0	01/30/12 14:16	
Chloroethane	ug/L	ND	1.0	01/30/12 14:16	
Chloroform	ug/L	ND	1.0	01/30/12 14:16	
Chloromethane	ug/L	ND	1.0	01/30/12 14:16	
cis-1,2-Dichloroethene	ug/L	ND	1.0	01/30/12 14:16	
cis-1,3-Dichloropropene	ug/L	ND	1.0	01/30/12 14:16	
Dibromochloromethane	ug/L	ND	1.0	01/30/12 14:16	
Dibromomethane	ug/L	ND	1.0	01/30/12 14:16	

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 22 of 35

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

Pace Package 22 of 37



QUALITY CONTROL DATA

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

METHOD BLANK: 945041 Matrix: Water

Associated Lab Samples: 60114109004, 60114109005, 60114109006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	01/30/12 14:16	
Ethylbenzene	ug/L	ND	1.0	01/30/12 14:16	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	01/30/12 14:16	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	01/30/12 14:16	
Methyl-tert-butyl ether	ug/L	ND	1.0	01/30/12 14:16	
Methylene chloride	ug/L	ND	1.0	01/30/12 14:16	
n-Butylbenzene	ug/L	ND	1.0	01/30/12 14:16	
n-Propylbenzene	ug/L	ND	1.0	01/30/12 14:16	
Naphthalene	ug/L	ND	10.0	01/30/12 14:16	
p-Isopropyltoluene	ug/L	ND	1.0	01/30/12 14:16	
sec-Butylbenzene	ug/L	ND	1.0	01/30/12 14:16	
Styrene	ug/L	ND	1.0	01/30/12 14:16	
tert-Butylbenzene	ug/L	ND	1.0	01/30/12 14:16	
Tetrachloroethene	ug/L	ND	1.0	01/30/12 14:16	
Toluene	ug/L	ND	1.0	01/30/12 14:16	
trans-1,2-Dichloroethene	ug/L	ND	1.0	01/30/12 14:16	
trans-1,3-Dichloropropene	ug/L	ND	1.0	01/30/12 14:16	
Trichloroethene	ug/L	ND	1.0	01/30/12 14:16	
Trichlorofluoromethane	ug/L	ND	1.0	01/30/12 14:16	
Vinyl chloride	ug/L	ND	1.0	01/30/12 14:16	
Xylene (Total)	ug/L	ND	3.0	01/30/12 14:16	
1,2-Dichloroethane-d4 (S)	%	93	82-119	01/30/12 14:16	
4-Bromofluorobenzene (S)	%	98	87-113	01/30/12 14:16	
Dibromofluoromethane (S)	%	99	86-112	01/30/12 14:16	
Toluene-d8 (S)	%	109	90-110	01/30/12 14:16	

LABORATORY CONTROL SAMPLE: 945042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.7	99	81-121	
1,1,1-Trichloroethane	ug/L	20	20.1	100	82-119	
1,1,2,2-Tetrachloroethane	ug/L	20	18.9	94	78-124	
1,1,2-Trichloroethane	ug/L	20	19.4	97	79-121	
1,1-Dichloroethane	ug/L	20	19.5	97	73-119	
1,1-Dichloroethene	ug/L	20	19.0	95	75-120	
1,1-Dichloropropene	ug/L	20	19.8	99	79-123	
1,2,3-Trichlorobenzene	ug/L	20	19.7	98	73-122	
1,2,3-Trichloropropane	ug/L	20	20.9	104	77-124	
1,2,4-Trichlorobenzene	ug/L	20	19.6	98	75-120	
1,2,4-Trimethylbenzene	ug/L	20	20.4	102	77-120	
1,2-Dibromo-3-chloropropane	ug/L	20	18.5	93	69-125	
1,2-Dibromoethane (EDB)	ug/L	20	19.9	100	85-121	
1,2-Dichlorobenzene	ug/L	20	18.5	93	82-115	
1,2-Dichloroethane	ug/L	20	20.2	101	77-125	
1,2-Dichloroethene (Total)	ug/L	40	41.4	104	79-120	

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 23 of 35

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Package 23 of 37

QUALITY CONTROL DATA

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

LABORATORY CONTROL SAMPLE: 945042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/L	20	20.3	102	83-119	
1,3,5-Trimethylbenzene	ug/L	20	21.0	105	79-121	
1,3-Dichlorobenzene	ug/L	20	19.1	96	79-117	
1,3-Dichloropropane	ug/L	20	19.0	95	78-116	
1,4-Dichlorobenzene	ug/L	20	19.5	97	83-115	
2,2-Dichloropropane	ug/L	20	15.3	76	66-123	
2-Butanone (MEK)	ug/L	100	127	127	43-165	
2-Chlorotoluene	ug/L	20	20.0	100	81-117	
2-Hexanone	ug/L	100	124	124	47-159	
4-Chlorotoluene	ug/L	20	20.3	102	84-116	
4-Methyl-2-pentanone (MIBK)	ug/L	100	96.2	96	71-129	
Acetone	ug/L	100	138	138	18-192	
Benzene	ug/L	20	20.4	102	82-117	
Bromobenzene	ug/L	20	20.4	102	83-116	
Bromochloromethane	ug/L	20	18.7	93	79-121	
Bromodichloromethane	ug/L	20	19.0	95	79-114	
Bromoform	ug/L	20	19.0	95	78-121	
Carbon disulfide	ug/L	20	24.8	124	75-138	
Carbon tetrachloride	ug/L	20	20.8	104	80-123	
Chlorobenzene	ug/L	20	20.1	100	83-121	
Chloroethane	ug/L	20	19.7	98	42-166	
Chloroform	ug/L	20	19.7	98	82-116	
Chloromethane	ug/L	20	18.8	94	32-127	
cis-1,2-Dichloroethene	ug/L	20	19.3	96	80-119	
cis-1,3-Dichloropropene	ug/L	20	19.8	99	76-119	
Dibromochloromethane	ug/L	20	19.8	99	81-123	
Dibromomethane	ug/L	20	20.1	100	79-123	
Dichlorodifluoromethane	ug/L	20	16.5	82	10-163	
Ethylbenzene	ug/L	20	20.8	104	79-121	
Hexachloro-1,3-butadiene	ug/L	20	20.0	100	78-125	
Isopropylbenzene (Cumene)	ug/L	20	20.7	103	80-120	
Methyl-tert-butyl ether	ug/L	20	19.2	96	78-119	
Methylene chloride	ug/L	20	21.1	105	75-118	
n-Butylbenzene	ug/L	20	20.1	101	80-126	
n-Propylbenzene	ug/L	20	20.6	103	83-116	
Naphthalene	ug/L	20	19.3	96	66-133	
p-Isopropyltoluene	ug/L	20	20.3	101	77-120	
sec-Butylbenzene	ug/L	20	20.3	101	81-120	
Styrene	ug/L	20	19.1	96	84-115	
tert-Butylbenzene	ug/L	20	21.0	105	80-117	
Tetrachloroethene	ug/L	20	20.2	101	80-124	
Toluene	ug/L	20	20.5	102	80-120	
trans-1,2-Dichloroethene	ug/L	20	22.2	111	79-120	
trans-1,3-Dichloropropene	ug/L	20	19.8	99	76-118	
Trichloroethene	ug/L	20	20.2	101	76-122	
Trichlorofluoromethane	ug/L	20	19.1	95	72-120	
Vinyl chloride	ug/L	20	20.1	100	57-163	
Xylene (Total)	ug/L	60	59.7	100	75-120	

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 24 of 35

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

LABORATORY CONTROL SAMPLE: 945042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			97	82-119	
4-Bromofluorobenzene (S)	%			98	87-113	
Dibromofluoromethane (S)	%			97	86-112	
Toluene-d8 (S)	%			100	90-110	



QUALITY CONTROL DATA

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

QC Batch: MSV/43376	Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260	Analysis Description: 8260 MSV Water 10 mL Purge
Associated Lab Samples: 60114109004	

METHOD BLANK: 946167 Matrix: Water

Associated Lab Samples: 60114109004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Bromomethane	ug/L	ND	1.0	02/02/12 11:32	
1,2-Dichloroethane-d4 (S)	%	89	82-119	02/02/12 11:32	
4-Bromofluorobenzene (S)	%	85	87-113	02/02/12 11:32	S0
Dibromofluoromethane (S)	%	83	86-112	02/02/12 11:32	S0
Toluene-d8 (S)	%	121	90-110	02/02/12 11:32	S0

LABORATORY CONTROL SAMPLE: 946168

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	20	22.9	115	36-146	
1,2-Dichloroethane-d4 (S)	%			117	82-119	
4-Bromofluorobenzene (S)	%			101	87-113	
Dibromofluoromethane (S)	%			142	86-112	S0
Toluene-d8 (S)	%			92	90-110	

QUALITY CONTROL DATA

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

QC Batch:	MSV/43349	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV 5035A Volatile Organics
Associated Lab Samples:	60114109001, 60114109002, 60114109003		

METHOD BLANK: 945463 Matrix: Solid

Associated Lab Samples: 60114109001, 60114109002, 60114109003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	02/01/12 16:03	
1,1,1-Trichloroethane	ug/kg	ND	5.0	02/01/12 16:03	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	02/01/12 16:03	
1,1,2-Trichloroethane	ug/kg	ND	5.0	02/01/12 16:03	
1,1-Dichloroethane	ug/kg	ND	5.0	02/01/12 16:03	
1,1-Dichloroethene	ug/kg	ND	5.0	02/01/12 16:03	
1,1-Dichloropropene	ug/kg	ND	5.0	02/01/12 16:03	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	02/01/12 16:03	
1,2,3-Trichloropropane	ug/kg	ND	5.0	02/01/12 16:03	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	02/01/12 16:03	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	02/01/12 16:03	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	02/01/12 16:03	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	02/01/12 16:03	
1,2-Dichlorobenzene	ug/kg	ND	5.0	02/01/12 16:03	
1,2-Dichloroethane	ug/kg	ND	5.0	02/01/12 16:03	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	02/01/12 16:03	
1,2-Dichloropropene	ug/kg	ND	5.0	02/01/12 16:03	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	02/01/12 16:03	
1,3-Dichlorobenzene	ug/kg	ND	5.0	02/01/12 16:03	
1,3-Dichloropropane	ug/kg	ND	5.0	02/01/12 16:03	
1,4-Dichlorobenzene	ug/kg	ND	5.0	02/01/12 16:03	
2,2-Dichloropropane	ug/kg	ND	5.0	02/01/12 16:03	
2-Butanone (MEK)	ug/kg	ND	10.0	02/01/12 16:03	
2-Chlorotoluene	ug/kg	ND	5.0	02/01/12 16:03	
2-Hexanone	ug/kg	ND	20.0	02/01/12 16:03	
4-Chlorotoluene	ug/kg	ND	5.0	02/01/12 16:03	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	02/01/12 16:03	
Acetone	ug/kg	ND	20.0	02/01/12 16:03	
Benzene	ug/kg	ND	5.0	02/01/12 16:03	
Bromobenzene	ug/kg	ND	5.0	02/01/12 16:03	
Bromochloromethane	ug/kg	ND	5.0	02/01/12 16:03	
Bromodichloromethane	ug/kg	ND	5.0	02/01/12 16:03	
Bromoform	ug/kg	ND	5.0	02/01/12 16:03	
Bromomethane	ug/kg	ND	5.0	02/01/12 16:03	
Carbon disulfide	ug/kg	ND	5.0	02/01/12 16:03	
Carbon tetrachloride	ug/kg	ND	5.0	02/01/12 16:03	
Chlorobenzene	ug/kg	ND	5.0	02/01/12 16:03	
Chloroethane	ug/kg	ND	5.0	02/01/12 16:03	
Chloroform	ug/kg	ND	5.0	02/01/12 16:03	
Chloromethane	ug/kg	ND	5.0	02/01/12 16:03	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	02/01/12 16:03	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	02/01/12 16:03	
Dibromochloromethane	ug/kg	ND	5.0	02/01/12 16:03	

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 27 of 35

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

Pace Package 27 of 37



QUALITY CONTROL DATA

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

METHOD BLANK: 945463

Matrix: Solid

Associated Lab Samples: 60114109001, 60114109002, 60114109003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	5.0	02/01/12 16:03	
Dichlorodifluoromethane	ug/kg	ND	5.0	02/01/12 16:03	
Ethylbenzene	ug/kg	ND	5.0	02/01/12 16:03	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	02/01/12 16:03	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	02/01/12 16:03	
Methyl-tert-butyl ether	ug/kg	ND	5.0	02/01/12 16:03	
Methylene chloride	ug/kg	10.9	5.0	02/01/12 16:03	
n-Butylbenzene	ug/kg	ND	5.0	02/01/12 16:03	
n-Propylbenzene	ug/kg	ND	5.0	02/01/12 16:03	
Naphthalene	ug/kg	ND	10.0	02/01/12 16:03	
p-Isopropyltoluene	ug/kg	ND	5.0	02/01/12 16:03	
sec-Butylbenzene	ug/kg	ND	5.0	02/01/12 16:03	
Styrene	ug/kg	ND	5.0	02/01/12 16:03	
tert-Butylbenzene	ug/kg	ND	5.0	02/01/12 16:03	
Tetrachloroethene	ug/kg	ND	5.0	02/01/12 16:03	
Toluene	ug/kg	ND	5.0	02/01/12 16:03	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	02/01/12 16:03	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	02/01/12 16:03	
Trichloroethene	ug/kg	ND	5.0	02/01/12 16:03	
Trichlorofluoromethane	ug/kg	ND	5.0	02/01/12 16:03	
Vinyl chloride	ug/kg	ND	5.0	02/01/12 16:03	
Xylene (Total)	ug/kg	ND	5.0	02/01/12 16:03	
1,2-Dichloroethane-d4 (S)	%	92	77-131	02/01/12 16:03	
4-Bromofluorobenzene (S)	%	102	75-131	02/01/12 16:03	
Dibromofluoromethane (S)	%	92	68-129	02/01/12 16:03	
Toluene-d8 (S)	%	100	81-121	02/01/12 16:03	

LABORATORY CONTROL SAMPLE: 945464

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	84.7	85	86-124	L0
1,1,1-Trichloroethane	ug/kg	100	89.3	89	83-119	
1,1,2,2-Tetrachloroethane	ug/kg	100	86.7	87	83-120	
1,1,2-Trichloroethane	ug/kg	100	86.0	86	85-120	
1,1-Dichloroethane	ug/kg	100	92.9	93	82-118	
1,1-Dichloroethene	ug/kg	100	85.5	85	78-125	
1,1-Dichloropropene	ug/kg	100	91.1	91	82-122	
1,2,3-Trichlorobenzene	ug/kg	100	88.8	89	81-126	
1,2,3-Trichloropropane	ug/kg	100	83.1	83	82-120	
1,2,4-Trichlorobenzene	ug/kg	100	86.7	87	74-122	
1,2,4-Trimethylbenzene	ug/kg	100	87.4	87	80-120	
1,2-Dibromo-3-chloropropane	ug/kg	100	74.5	75	73-120	
1,2-Dibromoethane (EDB)	ug/kg	100	91.4	91	85-121	
1,2-Dichlorobenzene	ug/kg	100	89.6	90	83-120	
1,2-Dichloroethane	ug/kg	100	91.8	92	80-120	

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 28 of 35

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Package 28 of 37

QUALITY CONTROL DATA

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

LABORATORY CONTROL SAMPLE: 945464

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethene (Total)	ug/kg	200	191	96	84-121	
1,2-Dichloropropane	ug/kg	100	89.4	89	85-118	
1,3,5-Trimethylbenzene	ug/kg	100	89.3	89	83-121	
1,3-Dichlorobenzene	ug/kg	100	87.5	87	81-117	
1,3-Dichloropropane	ug/kg	100	84.6	85	84-122	
1,4-Dichlorobenzene	ug/kg	100	85.8	86	80-117	
2,2-Dichloropropane	ug/kg	100	85.0	85	76-121	
2-Butanone (MEK)	ug/kg	500	434	87	66-123	
2-Chlorotoluene	ug/kg	100	84.0	84	83-120	
2-Hexanone	ug/kg	500	426	85	79-127	
4-Chlorotoluene	ug/kg	100	88.2	88	81-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	446	89	78-122	
Acetone	ug/kg	500	418	84	63-123	
Benzene	ug/kg	100	91.9	92	84-119	
Bromobenzene	ug/kg	100	90.8	91	85-119	
Bromochloromethane	ug/kg	100	84.4	84	82-123	
Bromodichloromethane	ug/kg	100	93.6	94	84-126	
Bromoform	ug/kg	100	81.7	82	73-112	
Bromomethane	ug/kg	100	106	106	66-132	
Carbon disulfide	ug/kg	100	121	121	62-150	
Carbon tetrachloride	ug/kg	100	97.8	98	78-126	
Chlorobenzene	ug/kg	100	88.4	88	83-116	
Chloroethane	ug/kg	100	112	112	79-132	
Chloroform	ug/kg	100	89.9	90	79-115	
Chloromethane	ug/kg	100	115	115	61-141	
cis-1,2-Dichloroethene	ug/kg	100	90.8	91	83-120	
cis-1,3-Dichloropropene	ug/kg	100	91.7	92	86-124	
Dibromochloromethane	ug/kg	100	86.9	87	78-117	
Dibromomethane	ug/kg	100	89.1	89	58-117	
Dichlorodifluoromethane	ug/kg	100	111	111	32-177	
Ethylbenzene	ug/kg	100	88.6	89	80-120	
Hexachloro-1,3-butadiene	ug/kg	100	86.9	87	77-125	
Isopropylbenzene (Cumene)	ug/kg	100	90.6	91	72-120	
Methyl-tert-butyl ether	ug/kg	100	93.6	94	80-125	
Methylene chloride	ug/kg	100	102	102	50-150	
n-Butylbenzene	ug/kg	100	89.2	89	75-132	
n-Propylbenzene	ug/kg	100	86.7	87	79-119	
Naphthalene	ug/kg	100	84.9	85	75-131	
p-Isopropyltoluene	ug/kg	100	88.8	89	79-119	
sec-Butylbenzene	ug/kg	100	91.1	91	82-124	
Styrene	ug/kg	100	85.3	85	82-120	
tert-Butylbenzene	ug/kg	100	100	100	82-121	
Tetrachloroethene	ug/kg	100	86.1	86	81-119	
Toluene	ug/kg	100	88.5	88	83-117	
trans-1,2-Dichloroethene	ug/kg	100	100	100	84-123	
trans-1,3-Dichloropropene	ug/kg	100	96.9	97	74-115	
Trichloroethene	ug/kg	100	88.5	88	84-117	
Trichlorofluoromethane	ug/kg	100	91.2	91	79-127	

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 29 of 35

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

Pace Package 29 of 37

QUALITY CONTROL DATA

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

LABORATORY CONTROL SAMPLE: 945464

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/kg	100	104	104	67-128	
Xylene (Total)	ug/kg	300	263	88	80-120	
1,2-Dichloroethane-d4 (S)	%			100	77-131	
4-Bromofluorobenzene (S)	%			99	75-131	
Dibromofluoromethane (S)	%			100	68-129	
Toluene-d8 (S)	%			100	81-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 946236 946237

Parameter	Units	MS Spike		MSD Spike		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual
		60114081004	Conc.	Conc.	Result								
1,1,1,2-Tetrachloroethane	ug/kg					27.4	26.0				5	28	
1,1,1-Trichloroethane	ug/kg					78.3	71.5				9	31	
1,1,2,2-Tetrachloroethane	ug/kg					17.9	21.2				17	40	
1,1,2-Trichloroethane	ug/kg					24.5	25.7				5	30	
1,1-Dichloroethane	ug/kg					71.8	68.5				5	29	
1,1-Dichloroethene	ug/kg					89.3	79.8				11	35	
1,1-Dichloropropene	ug/kg					72.4	53.9				29	33	
1,2,3-Trichlorobenzene	ug/kg					2.6J	3.1J					33	
1,2,3-Trichloropropane	ug/kg					18.4	20.6				11	34	
1,2,4-Trichlorobenzene	ug/kg					2.8J	3.4J					34	
1,2,4-Trimethylbenzene	ug/kg					16.2	16.0				1	35	
1,2-Dibromo-3-chloropropane	ug/kg					13.3	14.5				9	38	
1,2-Dibromoethane (EDB)	ug/kg					16.7	16.9				1	33	
1,2-Dichlorobenzene	ug/kg					6.6	7.3				10	35	
1,2-Dichloroethane	ug/kg					36.1	34.2				6	30	
1,2-Dichloroethene (Total)	ug/kg					120	108				10	26	
1,2-Dichloropropane	ug/kg					45.7	40.6				12	33	
1,3,5-Trimethylbenzene	ug/kg					22.3	21.3				4	37	
1,3-Dichlorobenzene	ug/kg					7.4	8.7				16	39	
1,3-Dichloropropane	ug/kg					21.3	21.8				2	28	
1,4-Dichlorobenzene	ug/kg					6.5	7.4				12	37	
2,2-Dichloropropane	ug/kg					79.4	78.0				2	38	
2-Butanone (MEK)	ug/kg					549	592				8	37	
2-Chlorotoluene	ug/kg					16.4	16.9				3	36	
2-Hexanone	ug/kg					213	212				0	39	
4-Chlorotoluene	ug/kg					13.1	12.3				6	34	
4-Methyl-2-pentanone (MIBK)	ug/kg					218	217				0	34	
Benzene	ug/kg	ND	128	128		52.1	47.8	41	37	28-145	9	35	
Bromobenzene	ug/kg					9.3	9.1				2	33	
Bromochloromethane	ug/kg					38.7	40.1				4	32	
Bromodichloromethane	ug/kg					31.5	29.2				7	29	
Bromoform	ug/kg					13.8	14.7				6	33	
Bromomethane	ug/kg					79.0	82.0				4	28	
Carbon disulfide	ug/kg					101	83.9				19	30	
Carbon tetrachloride	ug/kg					89.9	74.6				19	35	
Chlorobenzene	ug/kg					18.1	15.4				16	39	

Date: 02/03/2012 11:57 AM

REPORT OF LABORATORY ANALYSIS

Page 30 of 35

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Package 30 of 37

QUALITY CONTROL DATA

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

Parameter	Units	60114081004		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	946237		
		Result	60114081004								RPD	RPD	Max Qual
Chloroethane	ug/kg					117	113				3	39	
Chloroform	ug/kg					54.0	48.8				10	30	
Chloromethane	ug/kg					122	124				1	36	
cis-1,2-Dichloroethene	ug/kg					46.8	45.2				4	34	
cis-1,3-Dichloropropene	ug/kg					22.9	21.2				8	35	
Dibromochloromethane	ug/kg					20.4	20.3				1	28	
Dibromomethane	ug/kg					25.4	24.4				4	30	
Dichlorodifluoromethane	ug/kg					118	118				0	37	
Ethylbenzene	ug/kg	ND	128	128		31.0	26.4	24	21	20-141	16	39	
Hexachloro-1,3-butadiene	ug/kg					14.9	10.7				33	35	
Isopropylbenzene (Cumene)	ug/kg					33.4	28.2				17	34	
Methyl-tert-butyl ether	ug/kg					75.2	77.5				3	38	
Methylene chloride	ug/kg					164	169				3	30	
n-Butylbenzene	ug/kg					17.5	14.0				23	37	
n-Propylbenzene	ug/kg					26.3	23.7				10	36	
Naphthalene	ug/kg					2.6J	3.3J					44	
p-Isopropyltoluene	ug/kg					22.2	20.3				9	38	
sec-Butylbenzene	ug/kg					29.4	25.9				13	39	
Styrene	ug/kg					11.6	10.1				14	34	
tert-Butylbenzene	ug/kg					34.1	29.6				14	37	
Tetrachloroethene	ug/kg					45.7	36.3				23	34	
Toluene	ug/kg	ND	128	128		38.2	31.0	30	24	19-148	21	37	
trans-1,2-Dichloroethene	ug/kg					72.9	63.0				15	34	
trans-1,3-Dichloropropene	ug/kg					15.3	15.3				0	35	
Trichloroethene	ug/kg					48.7	37.0				27	32	
Trichlorofluoromethane	ug/kg					103	98.7				5	34	
Vinyl chloride	ug/kg					119	117				2	36	
Xylene (Total)	ug/kg	ND	384	384		80.2	65.0	21	17	10-140	21	39	
1,2-Dichloroethane-d4 (S)	%							100	103	77-131			
4-Bromofluorobenzene (S)	%							96	99	75-131			
Dibromofluoromethane (S)	%							103	104	68-129			
Toluene-d8 (S)	%							100	97	81-121			



QUALITY CONTROL DATA

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

QC Batch:	MSV/43385	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV 5035A Volatile Organics
Associated Lab Samples:	60114109001		

METHOD BLANK: 946272 Matrix: Solid

Associated Lab Samples: 60114109001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/kg	ND	5.0	02/02/12 14:12	
1,2-Dichloroethane-d4 (S)	%	99	77-131	02/02/12 14:12	
4-Bromofluorobenzene (S)	%	98	75-131	02/02/12 14:12	
Dibromofluoromethane (S)	%	96	68-129	02/02/12 14:12	
Toluene-d8 (S)	%	99	81-121	02/02/12 14:12	

LABORATORY CONTROL SAMPLE: 946273

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/kg	100	91.9	92	81-119	
1,2-Dichloroethane-d4 (S)	%			101	77-131	
4-Bromofluorobenzene (S)	%			100	75-131	
Dibromofluoromethane (S)	%			100	68-129	
Toluene-d8 (S)	%			99	81-121	

**QUALITY CONTROL DATA**

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

QC Batch:	PMST/6943	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	60114109001, 60114109002, 60114109003		

METHOD BLANK: 942631 Matrix: Solid

Associated Lab Samples: 60114109001, 60114109002, 60114109003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	01/25/12 00:00	

SAMPLE DUPLICATE: 942632

Parameter	Units	60113635003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	ND	ND		20	



QUALIFIERS

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

BATCH QUALIFIERS

Batch: MSV/43319

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/43376

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/43385

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

S0 Surrogate recovery outside laboratory control limits.

Z3 Methylene chloride is a common laboratory contaminant. Results for this analyte should be considered estimated unless the amount found in the sample is 3 to 5 times higher than that found in the method blank.

**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: 1ST CLEANERS LSI

Pace Project No.: 60114109

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60114109004	MW-1	EPA 5030B/8260	MSV/43319		
60114109004	MW-1	EPA 5030B/8260	MSV/43376		
60114109005	MW-2	EPA 5030B/8260	MSV/43267		
60114109005	MW-2	EPA 5030B/8260	MSV/43319		
60114109006	MW-3	EPA 5030B/8260	MSV/43267		
60114109006	MW-3	EPA 5030B/8260	MSV/43319		
60114109001	SB-1 10-12.5	EPA 8260	MSV/43349		
60114109001	SB-1 10-12.5	EPA 8260	MSV/43385		
60114109002	SB-2 12.5-15	EPA 8260	MSV/43349		
60114109003	SB-3 12.5-15	EPA 8260	MSV/43349		
60114109001	SB-1 10-12.5	ASTM D2974-87	PMST/6943		
60114109002	SB-2 12.5-15	ASTM D2974-87	PMST/6943		
60114109003	SB-3 12.5-15	ASTM D2974-87	PMST/6943		

Section A

Required Client Information:

Section B

Required Project Information:

Section B

Required Project Information:

Section C Invoice Information

Section C Invoice Information

Page: 1 of 1

Page: 1 of 1

005 00772772 THE Document 1 4 1160071012 Page 57 of 58

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.



Sample Condition Upon Receipt

Client Name: Terracos Project # 60114109

Courier: Fed Ex UPS USPS Client Commercial Pace Other
 Tracking #: 793146929391 Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other ZP/C

Thermometer Used: T-191 / T-194 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature: 01

Temperature should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: WT-24-12

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace containers used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
-Includes date/time/ID/analyses Matrix:	<u>WT/S</u>	
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed _____ Lot # of added preservative _____
Trip Blank present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Pace Trip Blank lot # (if purchased):		
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	17. List State: <u>h</u>

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: KT

Date: 1/24/12

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)